PHILIPS 28CL6770/00Z/05Z

MODEL

SERVICE MANUAL

Colour television

Service
Service
Service

FL1.1

AA 91.01

Service Information

GB

1. Correction to service manual FL1.1 AA

The following two code numbers are to be added to the parts list of the large-signal board:

4822 320 11086	Focus cable
4822 320 20162	EHT cable

2. Defect of TS7504 or TS7506

In order to increase reliability these transistors will henceforth be preselected. In the event of a defect of one of the transistors TS7504 or TS7506 (BU2508AF), they are therefore both to be replaced in order to prevent re-occurrence.
Code number: 4822 130 62934 (2 x ON4673)

3. PIP with 2nd front-end

A PIP module with a second front-end is incorporated in all 33" FL1.1 sets.
In all other FL1.1 sets the PCB layout of the second front-end PIP module will be incorporated from AG04.
The circuit diagram, the PCB layout and the parts list of this module will be provided in the service information.

NL

1. Correctie op service manual FL1.1 AA

In de stuklijst van het grootsignaal paneel dienen de volgende twee codenummers toegevoegd te worden:

4822 320 11086	Focus cable
4822 320 20162	EHT cable

2. Defect van TS7504 of TS7506

Om de betrouwbaarheid te vergroten zijn deze transistoren vanaf nu voorgeselecteerd.
Bij een defect van een van de transistoren Ts7504 of TS7506 (BU2508AF) dient men deze dus alle twee te vervangen om herhaling te voorkomen.
Codenummer: 4822 130 62934 (2 x ON4673)

3. PIP met 2^e front-end

In alle 33" FL1.1 apparaten is een PIP module met tweede front-end toegepast.
In alle andere FL1.1 apparaten zal vanaf AG04 de print lay-out van de tweede front-end PIP module worden toegepast.
In deze service informatie worden het principe schema, de print lay-out en de stuklijst van deze module gegeven.

Published by Consumer Electronics Printed in The Netherlands
©Copyright reserved Subject to modification
GB 4822 727 18871

D

1. Berichtigung des Service-Handbuchs FL1.1 AA

Bei der Ersatzteilliste müssen die folgenden beiden Codenummern hinzugefügt werden:

4822 320 11086	Fokuskabel
4822 320 20162	EHT-Kabel

2. Defekt an TS7504 oder TS7506

Zwecks einer Verbesserung der Zuverlässigkeit werden diese Transistoren ab sofort vorausgewählt. Bei einem Defekt an einem der beiden Transistoren TS7504 oder TS7506 (BU2508AF) müssen daher beide ausgetauscht werden, um eine wiederholte Störung auszuschließen.

Codenummer: 4822 130 62934 (2 x ON6473)

3. PIP mit zweitem Eingangsteil

In allen 33-Zoll-Fl1.1-Geräten wird ein PIP-Modul mit einem zweiten Eingangsteil angewandt. Bei allen anderen FL1.1-Geräten wird ab AG04 das Platinenlayout des zweiten Eingangsteils des PIP-Moduls benutzt werden.

Diese Service-Information enthält ein Blockschaltbild, ein Platinenlayout und eine Ersatzteilliste für dieses Modul.

F

1. Correction concernant le Manuel de Service FL1.1 AA

Dans la nomenclature des pièces de la carte du grand signal, il convient d'ajouter les deux numéros de référence suivants :

4822 320 11086	Câble de focalisation
4822 320 20162	Câble EHT

2. Défaut de TS7504 ou TS7506

En vue d'augmenter la fiabilité, ces transistors sont dorénavant présélectionnés. En cas de défaillance de l'un des transistors TS7504 ou TS7506 (BU2508AF), il convient donc de les remplacer tous les deux de façon à éviter une répétition.

Numéro de référence 4822 130 62934 (2xON4673)

3. PIP avec 2ème platine complète

Un module PIP avec une deuxième platine complète a été utilisé dans tous les appareils FL1.1 33" (env.84cm).

La configuration de carte du module PIP avec la deuxième platine complète sera utilisée dans tous les autres appareils FL1.1 à partir de AG04.

Le schéma de montage, la configuration de carte et la nomenclature des pièces de ces modules figurent dans cette information de service.

I

1. Correzione del Manuale di Servizio FL.1.1 AA

Nell'elenco dei componenti del pannello dei grandi segnali devono essere aggiunti i seguenti codici:

4822 320 11086	cavo di focalizzazione
4822 320 20162	cavo EHT

2. Difetto del TS7504 o TS7506

Per aumentare l'affidabilità, a partire da oggi questi transistori sono preselezionati.

In caso che uno dei transistori TS7504 o TS7506 (BU2508AF) risulti difettoso bisognerà sostituirli ambedue per evitare che il difetto si ripeta.

Codice: 4822 130 62934 (2 x ON4673)

3. PIP con 2e front-end

In tutti gli apparecchi 33" FL1.1 è applicato un modulo PIP con secondo front-end.

In tutti gli altri apparecchi FL1.1 a partire da AG04 verrà applicato il lay-out del circuito stampato del modulo PIP con secondo front-end.

Nella presente pubblicazione troverete lo schema di principio, il lay-out del circuito stampato e l'elenco dei componenti di questo modulo.

E

1. Corrección en el manual de servicio FL1.1AA.

En la lisa de piezas del panel de señal grande han de añadirse los dos números de código siguientes:

4822 320 11086	Cable del foco.
4822 320 20162	Cable EHT.

2. Defectos en el TS7504 ó en el TS7506.

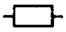
Para aumentar la seguridad de funcionamiento, a partir de ahora estos dos transistores son preseleccionados. En caso de desperfecto de uno de los transistores TS7504 ó TS7506 (BU2508AF) habrán de reemplazarse ambos transistores para evitar que se repita el desperfecto.

Número de código: 4822 130 62934 (2xON4673).

3. PIP con segundo terminal de entrada.

En todos los aparatos FL1.1. de 33" se ha aplicado un módulo PIP con segundo terminal de entrada. En todos los otros aparatos FL1.1 se aplicará, a partir del AG04, el circuito impreso del módulo PIP con segundo terminal de entrada. En esta información de servicio se dan el esquema de principio, el circuito impreso y la lista de piezas de este módulo.

Second tuner PIP (continued)



3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W

Jumpers

4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

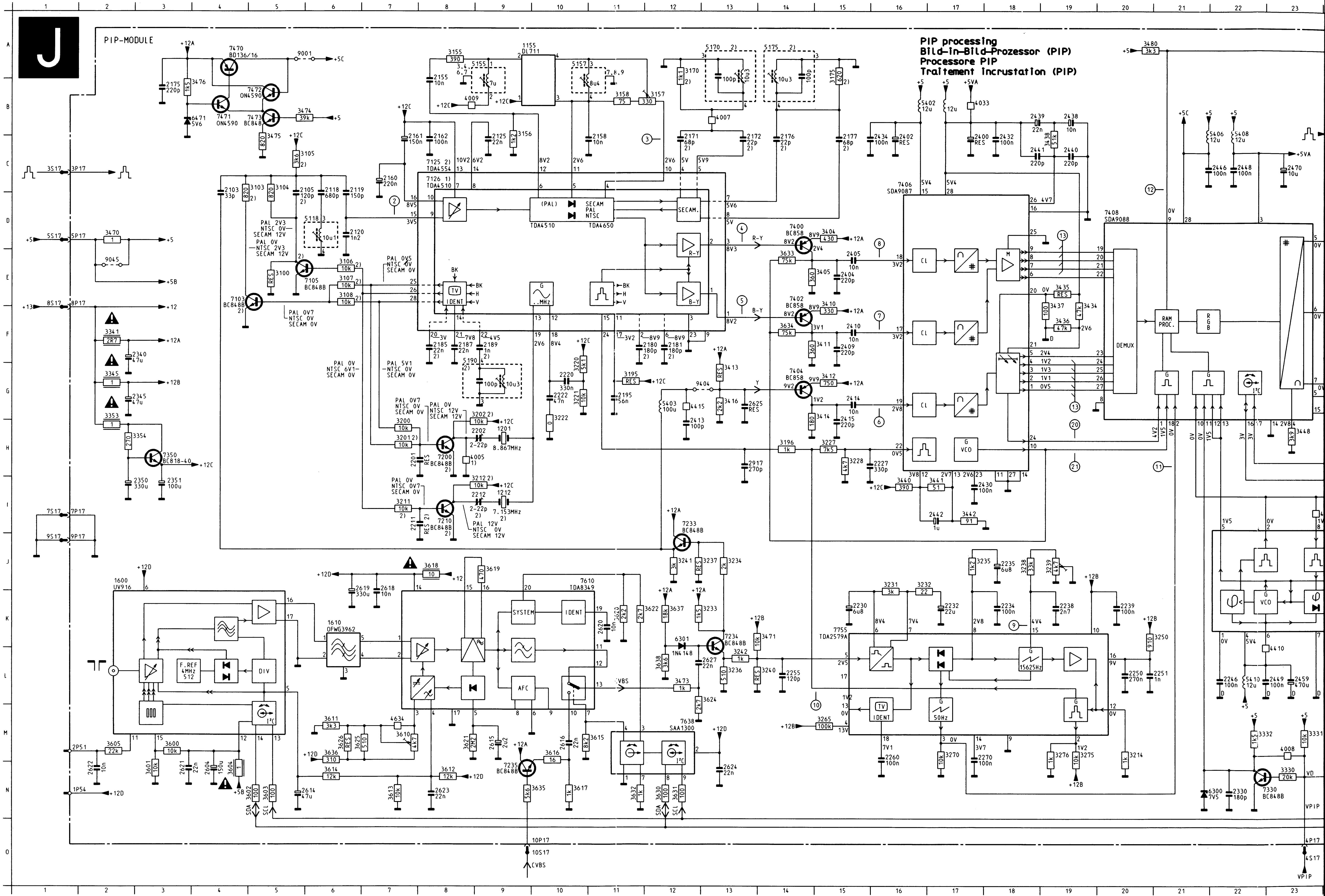
5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%

6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148

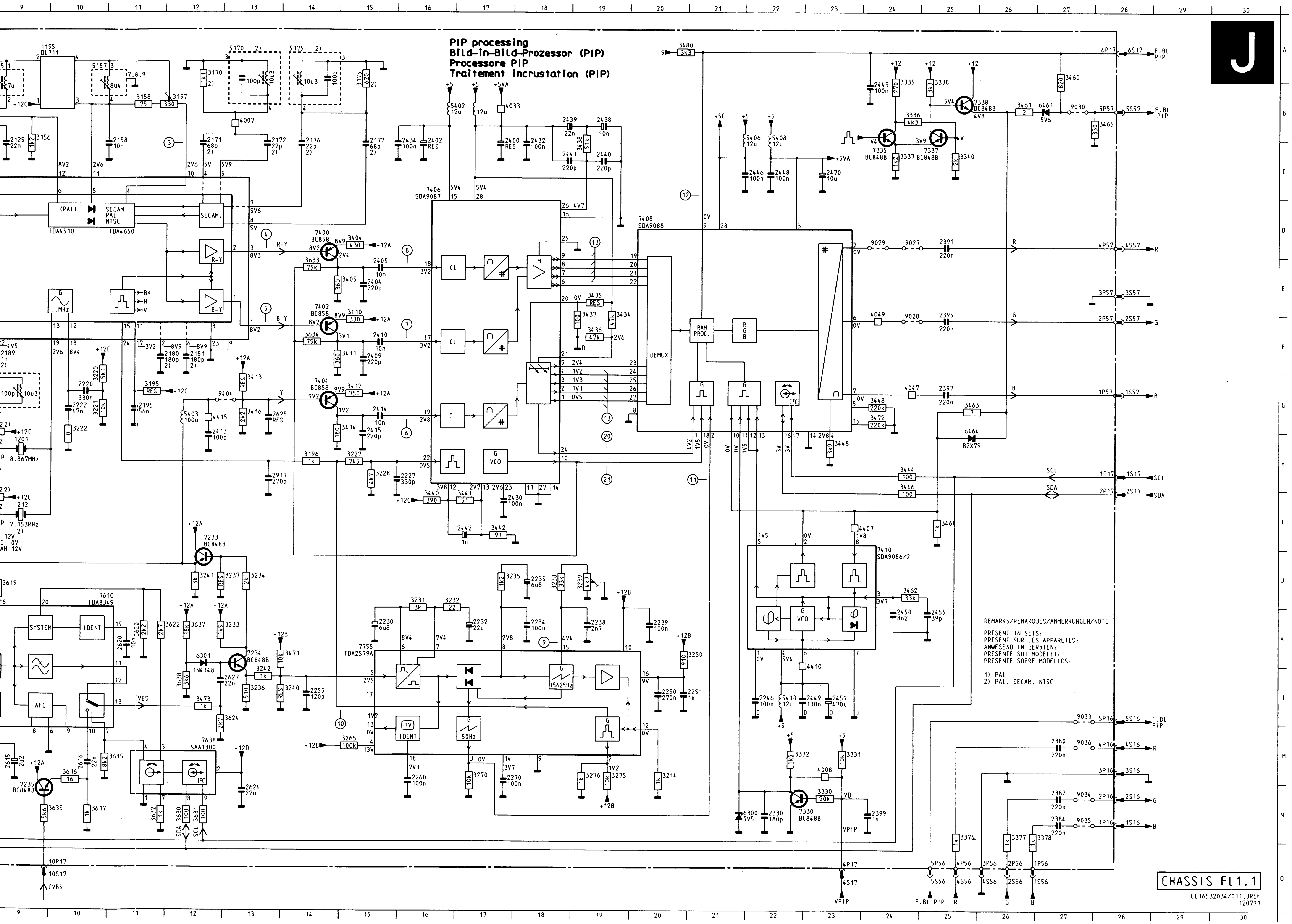
7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

J

PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)


PIP-MODULE
7470 BD136/16
7471 ON4590
7472 ON4590
7473 BC848
9001
+5C
+12A
3S17 3P17
5S17 5P17
8S17 8P17
7S17 7P17
9S17 9P17
3470
9045
+5B
+12
3341 2R7
3345
3353
2340 47u
2345 47u
7350 BC818-40
2350 330u
2351 100u
1155 DL711
5155 7u
5157 8u4
3155 390
3158 75
3157 330
7125 TDA4554
7126 TDA4510
(PAL)
SECAM PAL NTSC
TDA4510
TDA4650
SECAM.
R-Y
B-Y
TV IDENT
BK H V
G ..MHz
7103 BC848B
7105 BC848B
5118 10u1
PAL 2V3 NTSC 0V SECAM 12V
PAL 0V NTSC 2V3 SECAM 12V
PAL 0V7 NTSC 0V SECAM 0V
PAL 0V5 NTSC 0V SECAM 0V
PAL 0V NTSC 6V1 SECAM 0V
PAL 5V1 NTSC 0V SECAM 0V
PAL 0V NTSC 12V SECAM 12V
PAL 12V NTSC 0V SECAM 12V
7200 BC848B
7210 BC848B
1201 8.867MHz
1212 7.153MHz
5190 10u3
5170 10u3
5175 10u3
7400 BC858
7402 BC858
7404 BC858
Y
7406 SDA9087
7408 SDA9088
CL
M
DEMUX
RAM PROC.
R G B
VCO
7233 BC848B
7234 BC848B
7235 BC848B
1600 UV916
F.REF 4MHz 512
DIV
1610 OFWG3962
7610 TDA8349
SYSTEM
IDENT
AFC
VBS
7638 SAA1300
7755 TDA2579A
15625Hz
50Hz
6301 1N4148
7330 BC848B
6300 7V5
6471 5V6
2P51
1P54
SDA
SCL
10P17
10S17
CVBS
VPIP
4P17
4S17
+12D
+12B
+5VA

PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)



J
1155 DL711
5170 2)
5175 2)
5157
TDA4510
TDA4650
(PAL)
SECAM
PAL
NTSC
SECAM
R-Y
B-Y
BK
H
V
G ..MHz
7400 BC858
7402 BC858
7404 BC858
R-Y
B-Y
Y
7406 SDA9087
CL
M
G VCO
7408 SDA9088
DEMUX
RAM PROC.
R G B
I²C
7335 BC848B
7337 BC848B
7338 BC848B
6461 5V6
6464 BZX79
F.BL PIP
R
G
B
SCL
SDA
7410 SDA9086/2
VCO
7330 BC848B
6300 7V5
VPIP
7233 BC848B
7610 TDA8349
SYSTEM
IDENT
AFC
VBS
7234 BC848B
6301 1N4148
7235 BC848B
7638 SAA1300
7755 TDA2579A
TV IDENT
50Hz
15625Hz
1201 8.867MHz
1212 7.153MHz
10P17
10S17
CVBS
F.BL PIP
R
G
B

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

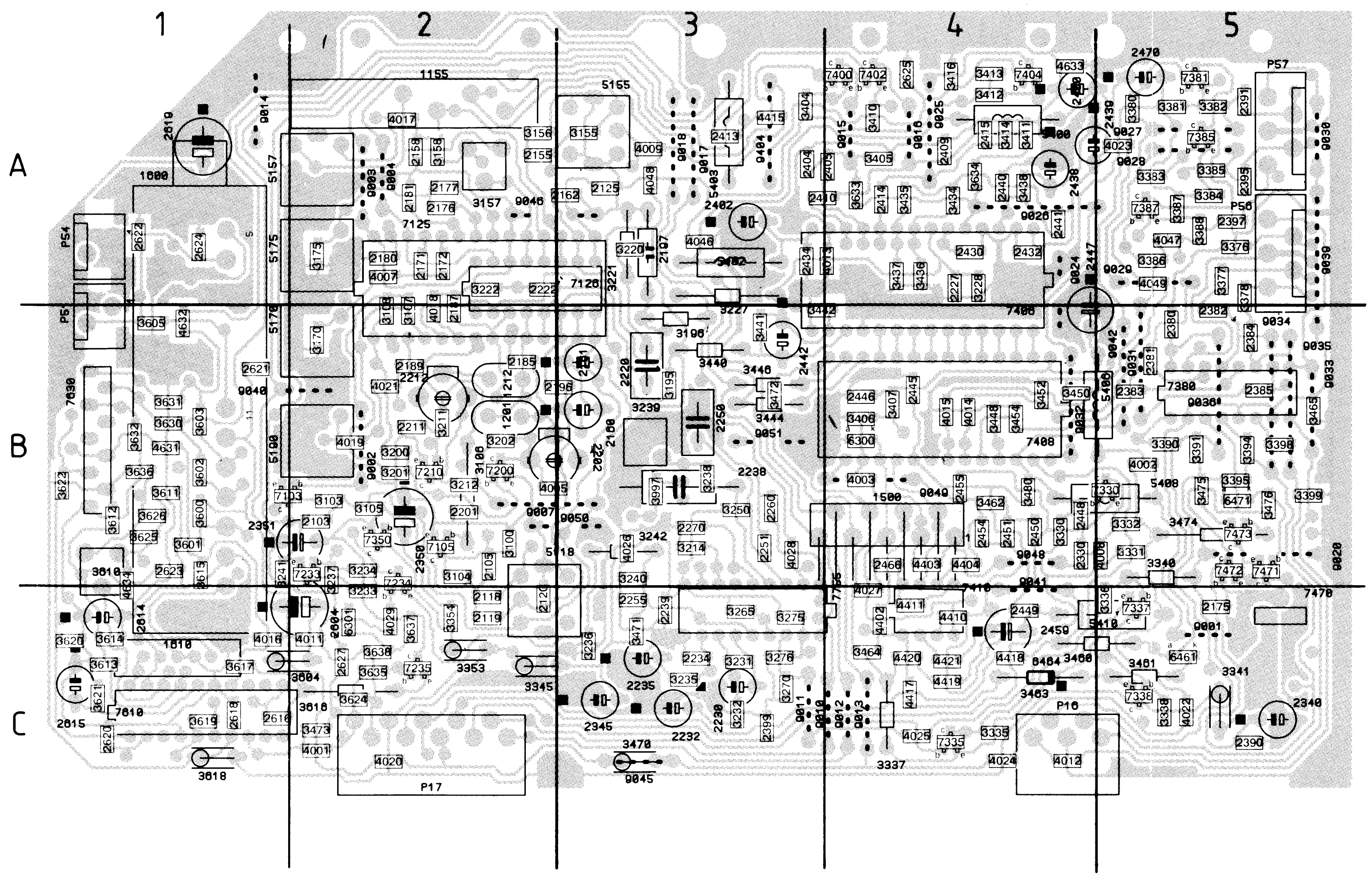
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

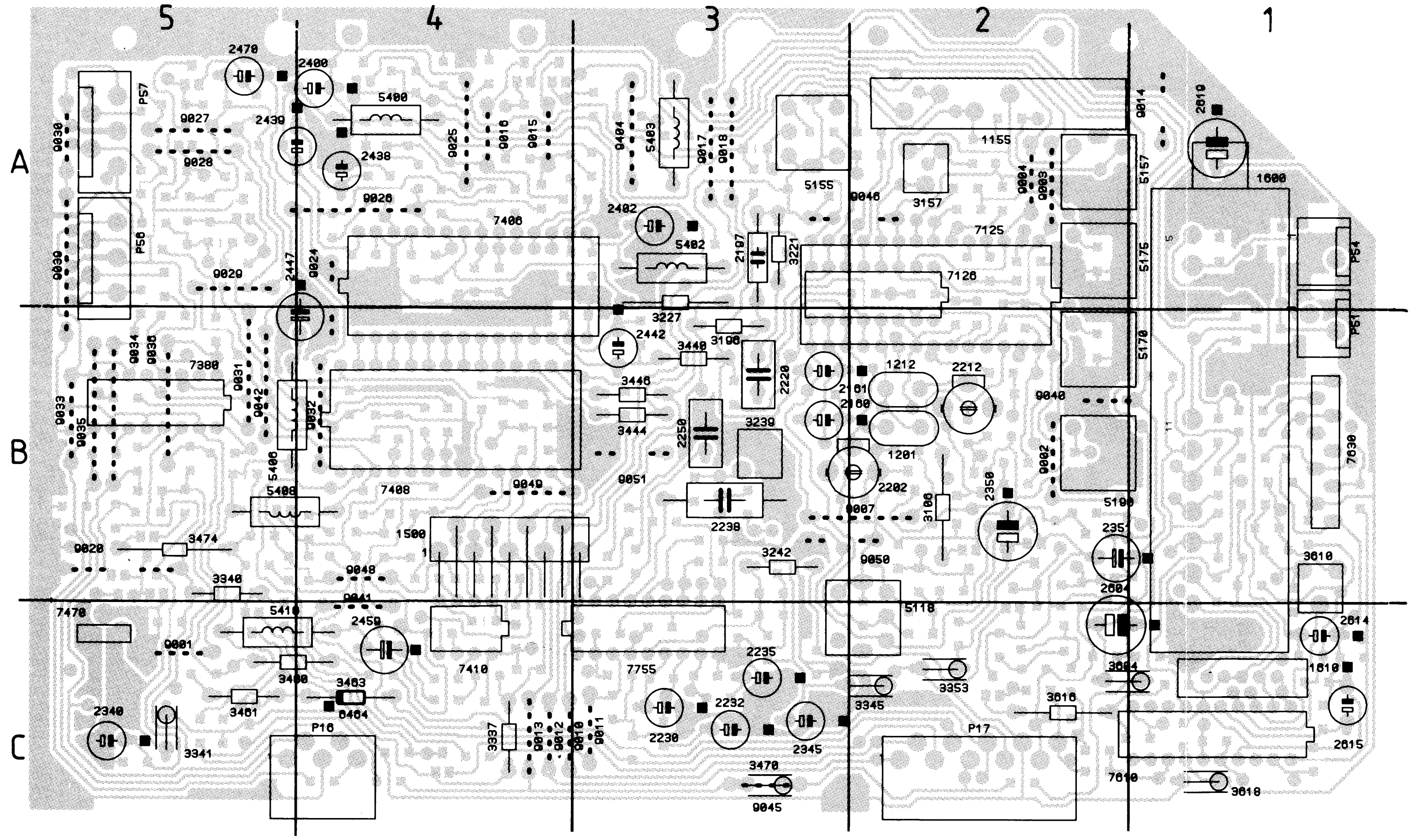
1) PAL
2) PAL, SECAM, NTSC

CHASSIS FL1.1

CL 16532034/011. JREF
120791

1155	A 9	3212	I 9	5155	A 8
1201	H 9	3214	M20	5157	A10
1212	I 9	3220	G10	5170	A13
1600	J 2	3221	G10	5175	A14
1610	K 6	3222	G10	5190	G 8
2103	D 4	3227	H15	5402	B16
2105	D 5	3228	H15	5403	G12
2118	D 6	3231	J16	5406	C21
2119	D 6	3232	J16	5408	C22
2120	D 6	3233	K13	5410	L22
2125	C 9	3234	J13	6300	N21
2155	B 8	3235	J17	6301	K12
2158	C11	3236	L13	6461	B27
2160	C 7	3237	J13	6464	H25
2161	C 7	3238	J18	6471	B 3
2162	C 8	3239	J19	7103	E 4
2171	C12	3240	L14	7105	E 5
2172	C13	3241	J12	7125	C 8
2175	B 3	3242	L13	7126	C 8
2176	C14	3250	K21	7200	H 8
2177	C15	3265	M15	7210	I 8
2180	F11	3270	M17	7233	I12
2181	F12	3275	M19	7234	K13
2185	F 8	3276	M19	7235	N 9
2187	F 8	3330	N23	7330	N22
2189	F 9	3331	M23	7335	C24
2195	G11	3332	M22	7337	C25
2201	H 7	3335	A24	7338	B25
2202	H 9	3336	B24	7350	H 3
2211	I 7	3337	C24	7400	D14
2212	I 9	3338	A25	7402	E14
2220	G10	3340	C25	7404	G14
2222	G10	3341	F 2	7406	C16
2227	H16	3345	G 2	7408	D20
2230	K15	3353	G 2	7410	I24
2232	K17	3354	H 2	7470	A 4
2234	K18	3376	N25	7471	B 4
2235	J18	3377	N26	7472	B 5
2238	K19	3378	N27	7473	B 5
2239	K20	3404	D15	7610	J11
2246	L22	3405	E15	7638	M12
2250	L20	3410	F15	7755	K15
2251	L21	3411	F15	9001	A 5
2255	L14	3412	G15	9027	D24
2260	M16	3413	G13	9028	F24
2270	M17	3414	G15	9029	D24
2330	N22	3416	G13	9030	B27
2340	F 2	3434	E19	9033	L27
2345	G 2	3435	E19	9034	N27
2350	I 2	3436	F19	9035	N27
2351	I 3	3437	E19	9036	M27
2380	M27	3438	C19	9045	E 2
2382	N27	3440	I16	9404	G13
2384	N27	3441	I17		
2391	D25	3442	I17		
2395	F25	3444	H24		
2397	G25	3446	H24		
2399	N24	3448	H23		
2400	C17	3448	G24		
2402	C16	3460	A27		
2404	E15	3461	B26		
2405	E15	3462	J24		
2409	F15	3463	G25		
2410	F15	3464	I25		
2413	H12	3465	B28		
2414	G15	3470	D 2		
2415	H15	3471	K14		
2430	I17	3472	G24		
2432	C18	3473	L12		
2434	C16	3474	B 5		
2438	B19	3475	B 5		
2439	B18	3476	B 3		
2440	C19	3480	A20		
2441	C18	3600	M 3		
2442	I17	3601	N 3		
2445	B24	3602	N 5		
2446	C22	3603	N 5		
2448	C22	3604	N 4		
2449	L23	3605	M 2		
2450	K24	3610	M 7		
2455	K25	3611	M 6		
2459	L23	3612	N 8		
2470	C23	3613	N 7		
2604	N 4	3614	N 6		
2614	N 5	3615	M11		
2615	M 9	3616	M10		
2616	M10	3617	N10		
2618	K 7	3618	J 8		
2619	K 6	3619	J 9		
2620	K11	3620	K11		
2621	N 3	3621	M 8		
2622	N 2	3622	K12		
2623	N 8	3624	L13		
2624	N13	3625	M 6		
2625	G13	3626	M 6		
2627	L13	3630	N12		
2917	H13	3631	N12		
3100	E 5	3632	N11		
3103	C 5	3633	E14		
3104	C 5	3634	F14		
3105	C 5	3635	N10		
3106	E 6	3636	M 6		
3107	E 6	3637	K12		
3108	E 6	3638	L12		
3155	A 8	4005	H 8		
3156	B 9	4007	B13		
3157	B12	4008	M23		
3158	B11	4009	B 8		
3170	A12	4033	B17		
3175	A15	4047	G24		
3195	G11	4049	F24		
3196	H14	4407	I23		
3200	H 7	4410	L23		
3201	H 7	4415	G12		
3202	G 9	4634	M 7		
3211	I 7	5118	D 5		





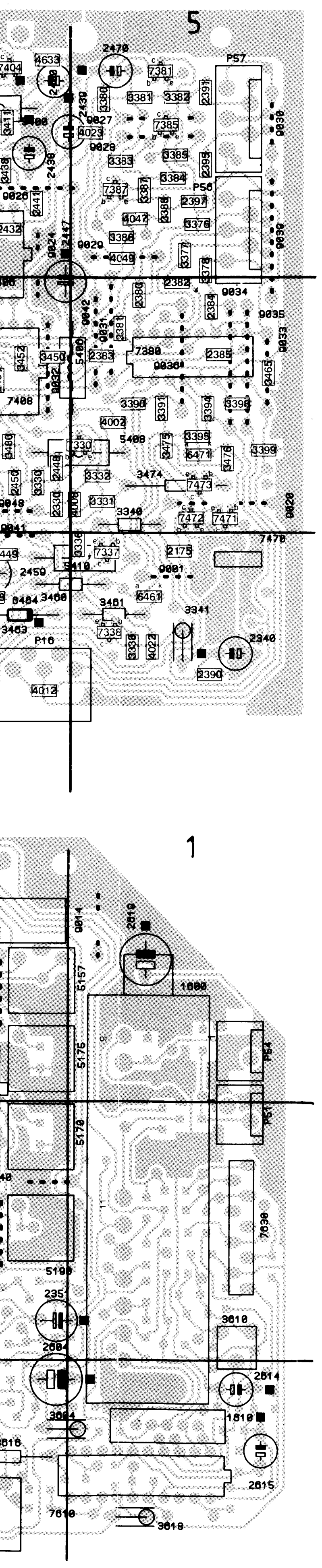
CS 40 506

1155	A2
1201	B2
1212	B2
1500	B4
1600	A1
1610	C1
2103	B2
2105	B2
2118	C2
2119	C2
2120	C2
2125	A3
2155	A2
2158	A2
2160	B3
2161	B3
2162	A3
2171	A2
2172	A2
2175	C5
2176	A2
2177	A2
2180	A2
2181	A2
2185	B2
2189	B2
2196	B2
2197	A3
2201	B2
2202	B3
2211	B2
2212	B2
2220	B3
2222	A2
2227	A4
2230	C3
2232	C3
2234	C3
2235	C3
2238	B3
2239	E3
2250	B3
2251	B3
2255	C3
2260	B3
2270	B3
2330	B4
2340	C5
2345	C3
2350	B2
2351	B2
2380	B5
2381	B5
2383	B5
2384	B5
2385	B5
2390	C5
2391	A5
2395	A5
2397	A5
2399	C3
2400	A4
2402	A3
2404	A3
2405	A4
2409	A4
2410	A4
2413	A3
2414	A4
2415	A4
2430	A4
2432	A4
2434	A3
2438	A4
2439	A5
2440	A4
2441	A4
2442	B3
2445	B4
2446	B4
2447	A4
2448	B4
2449	C4
2450	B4
2451	B4
2454	B4
2455	B4
2459	C4
2466	B4
2470	A5
2604	C3
2614	C1
2615	C1
2616	C1
2618	C1
2619	A1
2620	C1
2621	B1
2622	A1
2623	B2
2625	A4
2627	C2
3100	B2
3103	B2
3104	B2
3105	B2
3106	B2
3107	A2
3108	A2
3155	A3
3156	A2
3157	A2
3158	A2
3170	B2
3175	A2
3195	B3
3196	B3
3200	B2
3201	B2
3202	B2
3211	B2
3212	B2
3214	B3
3220	A3
3221	A3
3222	A2
3227	A3
3228	A4
3231	C3
3232	C3
3233	C2
3234	B2
3235	C3
3236	C3
3237	B2
3238	B3
3239	B3
3240	B3
3241	B1
3242	B3
3250	B3
3265	C3
3270	C3
3275	C3
3276	C3
3330	B4
3331	B5
3332	B5
3335	C4
3336	C5
3337	C4
3338	C5
3340	B5
3341	C5
3345	C2
3353	C2
3354	C2
3376	A5
3377	A5
3378	A5
3380	A5
3381	A5
3382	A5
3383	A5
3384	A5
3385	A5
3386	A5
3387	A5
3388	A5
3390	B5
3391	B5
3394	B5
3395	B5
3398	B5
3399	B5
3404	A3
3405	A4
3406	B4
3407	B4
3410	A4
3411	A4
3412	A4
3413	A4
3414	A4
3416	A4
3434	A4
3435	A4
3436	A4
3437	A4
3438	A4
3440	B3
3441	B3
3442	A3
3444	B3
3446	B3
3448	B4
3450	B4
3452	B4
3454	B4
3460	C5
3461	C5
3462	B4
3463	C4
3464	C4
3465	B5
3470	C3
3471	C3
3472	B3
3473	C2
3474	B5
3475	B5
3476	B5
3480	B4
3600	B1
3601	B1
3602	B1
3603	B1
3604	C1
3605	B1
3610	B1
3611	B1
3612	B1
3613	C1
3614	C1
3615	B2
3616	C1
3617	C1
3618	C1
3619	C1
3620	C1
3621	C1
3622	B1
3624	C2
3625	B1
3626	B1
3630	B1
3631	B1
3633	A4
3634	A4
3635	C2
3636	B1
3637	C2
3638	C2
3997	B3
4001	C2
4002	B5
4003	B4
4005	B3
4007	A2
4008	B5
4009	A3
4011	C2
4012	C4
4013	A4
4014	B4
4015	B4
4016	C1
4017	A2
4018	A2
4019	B2
4020	C2
4021	B2
4022	C5
4024	C4
4025	C4
4026	B3
4027	B4
4028	B3
4029	C2
4046	A3
4047	A5
4048	A3
4049	A5
4402	C4
4403	B4
4404	B4
4410	C4
4411	C4
4415	A3
4417	C4
4418	C4
4419	C4
4420	C4
4421	C4
4631	B1
4632	B1
4633	A4
4634	B1
5118	B2
5155	A3
5157	A1
5170	B2
5175	A1
5190	B2
5400	A4
5402	A3
5403	A3
5406	B5
5408	B5
5410	C5
6300	B4
6301	C2
6461	C5
6464	C4
6471	B5
7103	B2
7105	B2
7125	A2
7126	A3
7200	B2
7210	B2
7233	B2
7234	B2
7235	C2
7330	B5
7335	C4
7337	C5
7338	C5
7350	B2
7380	B5
7381	A5
7385	A5
7387	A5
7400	A4
7402	A4
7404	A4
7406	A4
7408	B4
7410	C4
7470	C5
7471	B5
7472	B5
7473	B5
7610	C1
7630	B1
7755	C3
9001	C5
9002	B2
9003	A2
9004	A2
9007	B2
9010	C3
9011	C3
9012	C4
9013	C4
9014	A1
9015	A4
9016	A4
9017	A3
9018	A3
9020	B5
9024	A4
9025	A4
9026	A4
9027	A5
9028	A5
9029	A5
9030	A5
9031	B5
9032	B4
9033	B5
9034	B5
9035	B5
9036	B5
9039	A5
9040	B2
9041	C4
9042	B5
9045	C3
9046	A2
9048	B4
9049	B4
9050	B3
9051	B3
9404	A3
P016	C4
P017	C2
P051	B1
P054	A1
P056	A5
P057	A5

Spare parts l

Second tuner P

Connectors	
	4822 265 4050
	4822 265 4047
	4822 265 3082
	4822 265 3089
	4822 265 2050
	4822 265 2051
Various parts	
1155	4822 320 4005
1201	4822 242 7030
1212	4822 242 7073
1600	4822 210 5012
1610	4822 242 8027
⊣⊢	
2103	4822 122 3244
2105	4822 122 3176
2118	4822 122 3177
2119	4822 122 3180
2120	4822 122 3180
2125	4822 122 3286
2155	4822 122 3286
2158	4822 122 3286
2160	4822 121 4240
2161	4822 121 4185
2162	4822 122 3194
2171	4822 122 3196
2172	4822 126 1117
2176	4822 126 1117
2177	4822 122 3196
2180	4822 122 3176
2181	4822 122 3176
2185	4822 122 3286
2187	4822 122 3286
2189	4822 122 3174
2196	4822 122 3310
2197	4822 122 3138
2201	4822 122 3174
2202	4822 125 5004
2211	4822 122 3174
2212	4822 125 5004
2220	5322 121 4266
2222	4822 122 3254
2227	4822 122 3184
2230	4822 124 4157
2232	4822 124 4167
2234	4822 122 3349
2235	4822 124 4157
2238	4822 121 4293
2239	4822 122 3194
2250	4822 121 5111
2251	5322 122 3164
2255	4822 122 3176
2260	4822 122 3194
2270	4822 122 3194
2330	4822 122 3259
2345	4822 124 4150
2350	4822 124 4084
2351	4822 124 4164
2380	4822 122 3292
2382	4822 122 3292
2384	4822 122 3292
2391	4822 122 3292
2395	4822 122 3292



1155	A2
1201	B2
1212	B2
1500	B4
1600	A1
1610	C1
2103	B2
2105	B2
2118	C2
2119	C2
2120	C2
2125	A3
2155	A2
2158	A2
2160	B3
2161	B3
2162	A3
2171	A2
2172	A2
2175	C5
2176	A2
2177	A2
2180	A2
2181	A2
2185	B2
2189	B2
2196	B2
2197	A3
2201	B2
2202	B3
2211	B2
2212	B2
2220	B3
2222	A2
2227	A4
2230	C3
2232	C3
2234	C3
2235	C3
2238	B3
2239	E3
2250	B3
2251	B3
2255	C3
2260	B3
2270	B3
2330	B4
2340	C5
2345	C3
2350	B2
2351	B2
2380	B5
2381	B5
2383	B5
2384	B5
2385	B5
2390	C5
2391	A5
2395	A5
2397	A5
2399	C3
2400	A4
2402	A3
2404	A3
2405	A4
2409	A4
2410	A4
2413	A3
2414	A4
2415	A4
2430	A4
2432	A4
2434	A3
2438	A4
2439	A5
2440	A4
2441	A4
2442	B3
2445	B4
2446	B4
2447	A4
2448	B4
2449	C4
2450	B4
2451	B4
2454	B4
2455	B4
2459	C4
2466	B4
2470	A5
2604	C3
2614	C1
2615	C1
2616	C1
2618	C1
2619	A1
2620	C1
2621	B1
2622	A1
2623	B2
2625	A4
2627	C2
3100	B2
3103	B2
3104	B2
3105	B2
3106	B2
3107	A2
3108	A2
3155	A3
3156	A2
3157	A2
3158	A2
3170	B2
3175	A2
3195	B3
3196	B3
3200	B2
3201	B2
3202	B2
3211	B2
3212	B2
3214	B3
3220	A3
3221	A3
3222	A2
3227	A3
3228	A4
3231	C3
3232	C3
3233	C2
3234	B2
3235	C3
3236	C3
3237	B2
3238	B3
3239	B3
3240	B3
3241	B1
3242	B3
3250	B3
3265	C3
3270	C3
3275	C3
3276	C3
3330	B4
3331	B5
3332	B5
3335	C4
3336	C5
3337	C4
3338	C5
3340	B5
3341	C5
3345	C2
3353	C2
3354	C2
3376	A5
3377	A5
3378	A5
3380	A5
3381	A5
3382	A5
3383	A5
3384	A5
3385	A5
3386	A5
3387	A5
3388	A5
3390	B5
3391	B5
3394	B5
3395	B5
3398	B5
3399	B5
3404	A3
3405	A4
3406	B4
3407	B4
3410	A4
3411	A4
3412	A4
3413	A4
3414	A4
3416	A4
3434	A4
3435	A4
3436	A4
3437	A4
3438	A4
3440	B3
3441	B3
3442	A3
3444	B3
3446	B3
3448	B4
3450	B4
3452	B4
3454	B4
3460	C5
3461	C5
3462	B4
3463	C4
3464	C4
3465	B5
3470	C3
3471	C3
3472	B3
3473	C2
3474	B5
3475	B5
3476	B5
3480	B4
3600	B1
3601	B1
3602	B1
3603	B1
3604	C1
3605	B1
3610	B1
3611	B1
3612	B1
3613	C1
3614	C1
3615	B2
3616	C1
3617	C1
3618	C1
3619	C1
3620	C1
3621	C1
3622	B1
3624	C2
3625	B1
3626	B1
3630	B1
3631	B1
3633	A4
3634	A4
3635	C2
3636	B1
3637	C2
3638	C2
3997	B3
4001	C2
4002	B5
4003	B4
4005	B3
4007	A2
4008	B5
4009	A3
4011	C2
4012	C4
4013	A4
4014	B4
4015	B4
4016	C1
4017	A2
4018	A2
4019	B2
4020	C2
4021	B2
4022	C5
4024	C4
4025	C4
4026	B3
4027	B4
4028	B3
4029	C2
4046	A3
4047	A5
4048	A3
4049	A5
4402	C4
4403	B4
4404	B4
4410	C4
4411	C4
4415	A3
4417	C4
4418	C4
4419	C4
4420	C4
4421	C4
4631	B1
4632	B1
4633	A4
4634	B1
5118	B2
5155	A3
5157	A1
5170	B2
5175	A1
5190	B2
5400	A4
5402	A3
5403	A3
5406	B5
5408	B5
5410	C5
6300	B4
6301	C2
6461	C5
6464	C4
6471	B5
7103	B2
7105	B2
7125	A2
7126	A3
7200	B2
7210	B2
7233	B2
7234	B2
7235	C2
7330	B5
7335	C4
7337	C5
7338	C5
7350	B2
7380	B5
7381	A5
7385	A5
7387	A5
7400	A4
7402	A4
7404	A4
7406	A4
7408	B4
7410	C4
7470	C5
7471	B5
7472	B5
7473	B5
7610	C1
7630	B1
7755	C3
9001	C5
9002	B2
9003	A2
9004	A2
9007	B2
9010	C3
9011	C3
9012	C4
9013	C4
9014	A1
9015	A4
9016	A4
9017	A3
9018	A3
9020	B5
9024	A4
9025	A4
9026	A4
9027	A5
9028	A5
9029	A5
9030	A5
9031	B5
9032	B4
9033	B5
9034	B5
9035	B5
9036	B5
9039	A5
9040	B2
9041	C4
9042	B5
9045	C3
9046	A2
9048	B4
9049	B4
9050	B3
9051	B3
9404	A3
P016	C4
P017	C2
P051	B1
P054	A1
P056	A5
P057	A5

Spare parts list / Stückliste / Liste

Second tuner PIP J

Connectors		
	4822 265 40503	5P female gold plated
	4822 265 40472	10P female gold plated
	4822 265 30828	5P male
	4822 265 30899	5P
	4822 265 20509	2P grey
	4822 265 20511	2P blue
Various parts		
1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867 238 MHz
1212	4822 242 70736	crystal 7,159 090 MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962
⊣⊢		
2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8μF 20% 50V
2232	4822 124 41678	22μF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8μF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
2345	4822 124 41506	47μF 20% 16V
2350	4822 124 40849	330μF 20% 16V
2351	4822 124 41643	100μF 20% 16V
2380	4822 122 32927	220nF
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF
⊣⊢		
2397	4822 122 32927	220nF
2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1μF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470μF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10μF 20% 50V
2604	4822 124 40195	150μF 20% 16V
2614	4822 124 41506	47μF 20% 16V
2615	4822 124 41576	2,2μF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330μF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF
▭		
3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 2% 0,25W
▭		
3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

Colour television

Chassis

Service
Service
Service

FL 1.1 AC
FL 1.7 AA

ServiceManual

Contents

Page

1. Block diagram and technical data 1.2
2. Connection facilities 2.1
3. Warnings and notes 3.1
4. Mechanical instructions 4.1
5. Detailed block diagram 5.1
6. Electrical diagrams and PCB layouts
   - Power supply (Diagram A) 6.1
   - Field and line output stage (DiagramB) 6.10
   - Tuner, Source selection (Diagram C) 6.13
   - Video processing (Diagram D) 6.22
   - PIP module (Diagram J) 6.25
   - Picture tube panel (Diagram E) 6.30
   - Operation (Diagram H) 6.32
   - Sound processing (Diagram F) 6.34
   - Sound output amplifier (Diagram G) 6.42
   - NICAM module (Diagram K) 6.44
   - High-End box (Diagram L) 6.48
   - High-End box (Diagram M) 6.52
   - Y/C Detector (Diagram I) 6.56
7. Electrical settings 7.1
8. List of error messages and repair tips 8.1
9. List of menus 9.1
10. Electrical parts lists 10.1

Published by Consumer Electronics Printed in The Netherlands ©Copyright reserved Subject to modification

GB 4822 727 19085

1.2 CHASSIS FL1.1 Block diagram

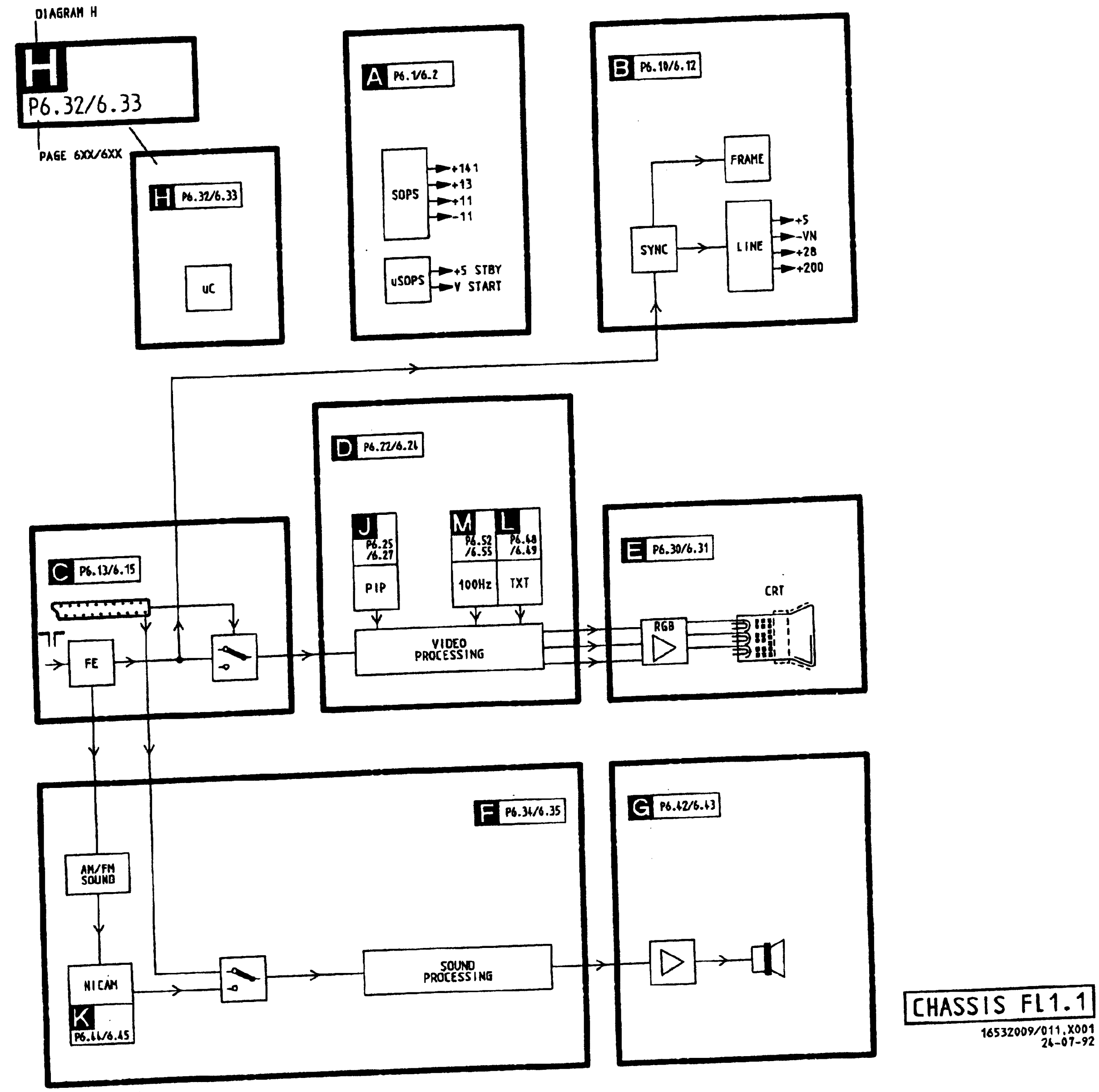
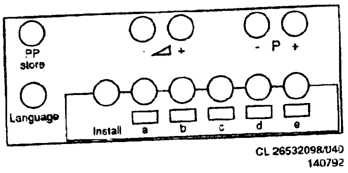


DIAGRAM H
H
P6.32/6.33
PAGE 6XX/6XX
H P6.32/6.33
uC
A P6.1/6.2
SOPS
+141
+13
+11
-11
uSOPS
+5 STBY
V START
B P6.10/6.12
FRAME
SYNC
LINE
+5
-VN
+28
+200
D P6.22/6.24
J P6.25 /6.27
PIP
M P6.52 /6.55
L P6.48 /6.49
100Hz
TXT
VIDEO PROCESSING
C P6.13/6.15
FE
E P6.30/6.31
CRT
RGB
F P6.34/6.35
AM/FM SOUND
NICAM
K P6.44/6.45
SOUND PROCESSING
G P6.42/6.43
CHASSIS FL1.1
16532009/011.X001
24-07-92

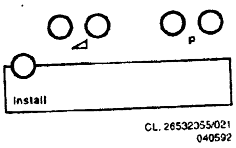
Technical data

Mains voltage	: 220 - 240 V (± 10%) : 50 Hz - 60 Hz (± 5%)
Aerial input impedance	: 75 Ω - koaxial
Minimum aerial voltage	: 30 µV (VHF), 40 µV (UHF)
Maximum aerial voltage VHF/S/UHF	: 180 µV
Pull-in range colour synchronization	: ± 300 Hz
Pull-in range horizontal synchronization	: +200 Hz/-300Hz
Programmes	: 0 - 59
VCR programmes	: 0, 00, 50 - 59

Local operation functions:

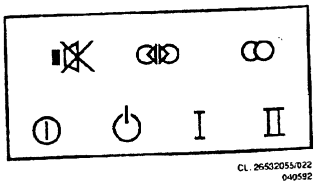

PP
store
Language
Install
a
b
c
d
e
- P +
CL 26532098/040
140792

FL1.1


p
Install
CL 26532055/021
040592

FL1.7

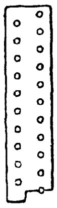
Indications:
- On Screen Display (OSD)
- LED:


I
II
CL 26532055/022
040592

Connection facilities

1. Specification of the connectors

EXT1 (AUX)



1 -Audio ⊖→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio ←⊕ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ⊖→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -Blue ⊥
6 -Audio ←⊕ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 -Blue (0,7V_{pp}/75Ω)
8 -CVBS-status 1 ←⊕ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 -Green ⊥
10 --
11 -Green (0,7V_{pp}/75Ω)
12 --
⊡→ 13 -Red ⊥
14 --
15 -Red (0,7V_{pp}/75Ω)
16 -RGB-status (0-0,4V: int. 1-3V ext. 75Ω
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS ⊖→ (1V_{pp}/75Ω)
20 -CVBS ←⊕ (1V_{pp}/75Ω)
21 -Earthscreen

EXT3 (front)

SVHS[1) ⊚ 1 - ⊥
2 - ⊥
3 - Y ←⊕ (1V_{pp}; 75Ω)
4 - C ←⊕ (0,3V_{pp}; 75Ω)

⊚ CINCH Video ←⊕ 300mV_{pp}/75Ω[1)
⊚ CINCH Audio ←⊕ L (0,5V_{RMS}; ≥ 10kΩ)[1)
⊚ CINCH Audio ←⊕ R (0,5V_{RMS}; ≥ 10kΩ)[1)

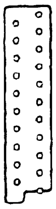
⊚ 3.5mm 🎧 32-2000Ω ≥ 10mW

Audio out (rear)

⊚ CINCH Audio ⊖→ L (0,5V_{RMS}; ≤ 1kΩ)
⊚ CINCH Audio ⊖→ R (0,5V_{RMS}; ≤ 1kΩ)

🔊 front : 2 x 16W / 8Ω[1)
rear : 2 x 6W / 8Ω[1)

EXT2 (VCR)



1 -Audio ⊖→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio ←⊕ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ⊖→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -
6 -Audio ←⊕ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 --
8 -CVBS-status 2 ←⊕ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 --
10 --
11 --
12 --
⊡→ 13 --
14 --
15 --
16 --
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS ←⊕ (1V_{pp}/75Ω)
20 -CVBS ←⊕ (1V_{pp}/75Ω)
21 -Earthscreen

EXT2 (SVHS) (rear)

SVHS ⊚ 1 - ⊥
2 - ⊥
3 - Y ←⊕ (1V_{pp}; 75Ω)
4 - C ←⊕ (0,3V_{pp}; 75Ω)

⊚ CINCH Audio ←⊕ L (0,5V_{RMS}; ≥ 10kΩ)
⊚ CINCH Audio ←⊕ R (0,5V_{RMS}; ≥ 10kΩ)

SVHS[1) ⊚ 1 - ⊥
2 - ⊥
3 - Y ⊖→ (1V_{pp}; 75Ω)
4 - C ⊖→ (0,3V_{pp}; 75Ω)

⊚ CINCH Audio ⊖→ L (0,5V_{RMS}; ≤ 1kΩ)[1)
⊚ CINCH Audio ⊖→ R (0,5V_{RMS}; ≤ 1kΩ)[1)

[1) Only for FL1.1.

2.2 CHASSIS FL1.1 Connection facilities

2. Connection of equipment

When an SVHS source is connected to EXT2' (SVHS) or EXT3 (SVHS) the CVBS at these inputs is switched off. To reproduce the CVBS signal from these inputs, the particular SVHS plug must first be removed.

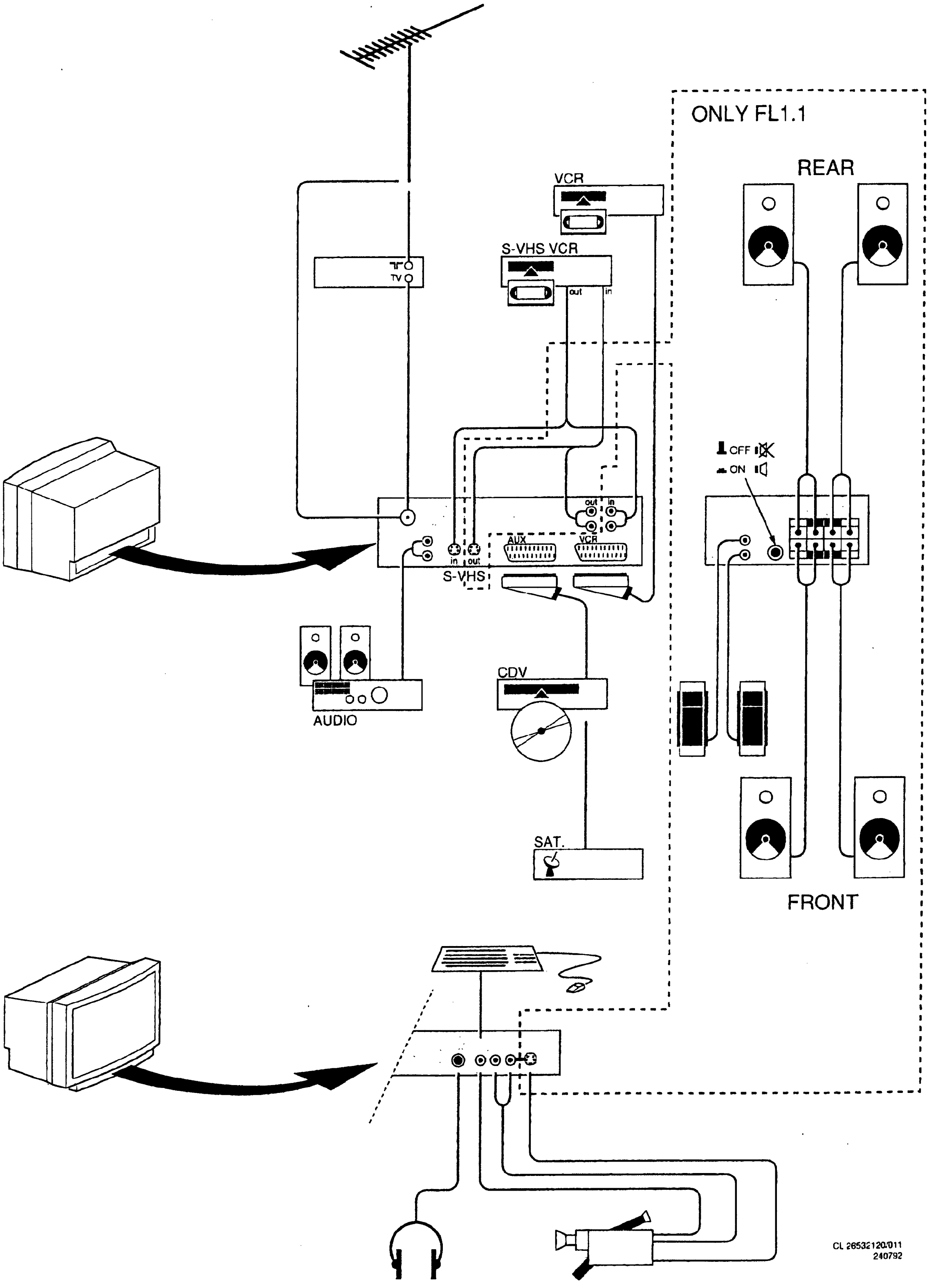

ONLY FL1.1
REAR
VCR
S-VHS VCR
out
in
TV
OFF
ON
out
in
AUX
VCR
in
out
S-VHS
AUDIO
CDV
SAT.
FRONT
CL 26532120/011
240792

Fig. 2.1

Warnings

1. Safety regulations require that the unit should be returned in its original condition and that components identical to the original components are used. The safety components are indicated by the symbol ⚠.

2. In order to prevent damage to ICs and transistors, all high-voltage flashovers must be avoided. In order to prevent damage to the picture tube, the method shown in Fig.1 should be used to discharge the picture tube. Use a high-voltage probe and a multimeter (position DC-V). Discharge until the meter reading is OV (after approx. 30s).

3. **ESD** ⚠

   All ICs and many other semiconductors are sensitive to electrostatic discharges (ESD). Careless handling during repair can drastically shorten the life. Make sure that during repair you are connected by a pulse band with resistance to the same potential as the earth of the unit. Keep components and tools also at this same potential.

4. When repairing a unit, always connect it to the mains voltage via an isolating transformer.

5. Be careful when taking measurements in the high-voltage section and on the picture tube.

6. Never replace modules or other components while the unit is switched on.

7. It is recommended that safety goggles are worn when replacing the picture tube.

8. When making settings, use plastic rather than metal tools.
   This will prevent any short circuits and the danger of a circuit becoming unstable.

9. After repair the wiring should be fastened once more in the cable clamps for this purpose.

10. In order to prevent measuring errors, the heat sinks should not be used as reference points for measurements.
    The heat sink for the sound output amplifier (next to the channel selector) is connected to the -16 or -12 volts.

11. On this unit the 140 volt supply voltage is not supplied via an interconnection on the deflection yoke to the line output transformer. When the deflection cable is detached, the +140 volt supply remains loaded. In order to unload the +140 volts, coil 5511 should be removed.

12. Together with the deflection unit and any multipole unit, the flat square picture tubes used form an integrated unit. The deflection and the multipole units are set optimally at the factory. Adjustment of this unit during repair is therefore not recommended.

Notes

1. The direct voltages and oscillograms should be measured with regard to the tuner earth (⊥), or hot earth (⊥ϟ) as this is called.

2. The direct voltages and oscillograms shown in the diagrams should be measured in the Service Default Mode (see chapter 8) with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz.

3. Where necessary, the oscillograms and direct voltages are measured with (┐┌) and without aerial signal (✕). Voltages in the power supply section are measured both for normal operation (Φ) and in standby (⏻). These values are indicated by means of the appropriate symbols.

4. The picture tube PCB has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.

5. The semiconductors indicated in the circuit diagram and in the parts lists are completely interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.

6. The connectors used for the modules (board to board) are gold-plated and should only be replaced by the same type.

7. In the case of error searching and/or repair to the PIP module, the accessibility of the circuit and the components can be increased by using extension cards.
   5 times: 4822 395 30261
   10 times: 4822 395 30257

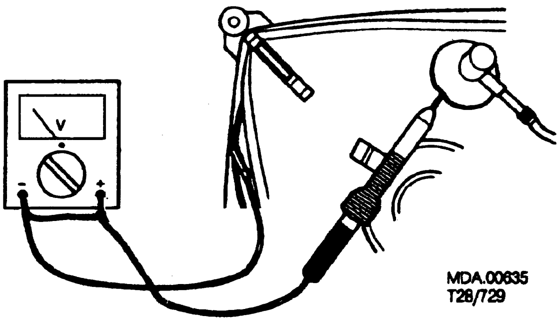


fig. 3.1

ɿ be
, or hot

ı in the
e
bar
: unless
25 MHz.

ct
ut
ıpply
ation
dicated

ɔs. Each
ɟe of

diagram

ıe type

ɿ to
ɘplaced

to the
ıd the
nsion

Mechanical instructions

1. Removing the back plate (Fig. 4.1)

Remove cover A from the back plate.
Remove connector B (L36) of the subwoofer.
Remove attachment screws C from the back plate.
Remove the back plate with the subwoofer fitted in it.
Attach the back plate by carrying out the above in the reverse order.

2. Service position to measure test points (Fig. 4.2)

Unlock the chassis panels by pressing locks D.
Pull both chassis panels backwards at the same time until all measuring points are accessible.

3. Service position for repair (Fig. 4.3)

Remove the LED display E (see Fig. 4.3) of the large signal panel.
Tilt the back of the two panels and attach both panels using brackets F situated on the underside of the small signal panel, at an angle of 90° to one another.

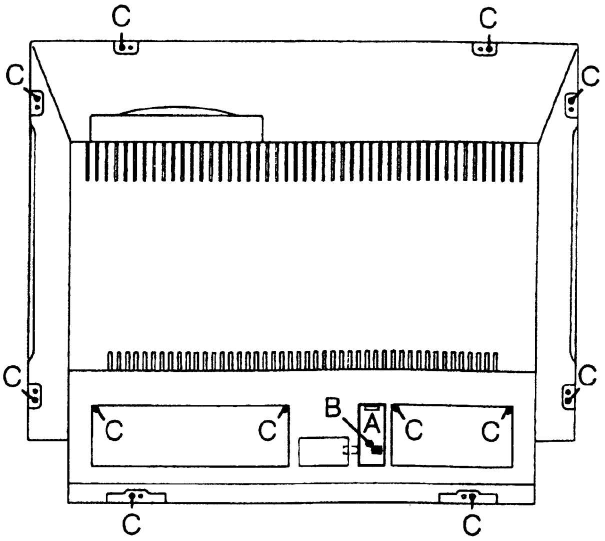
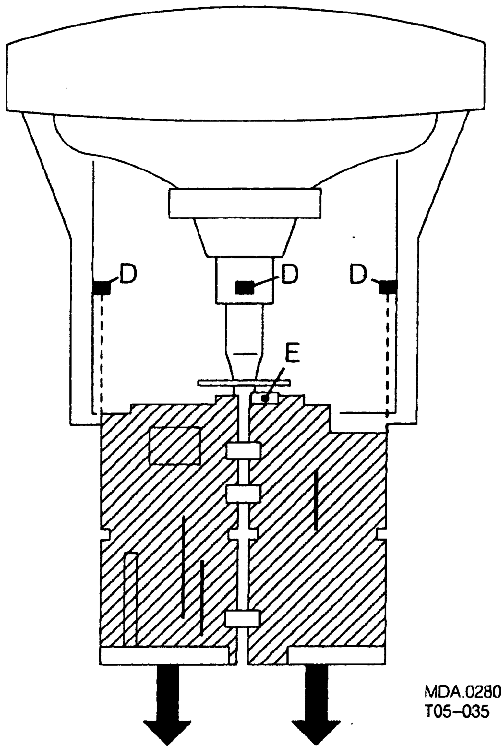


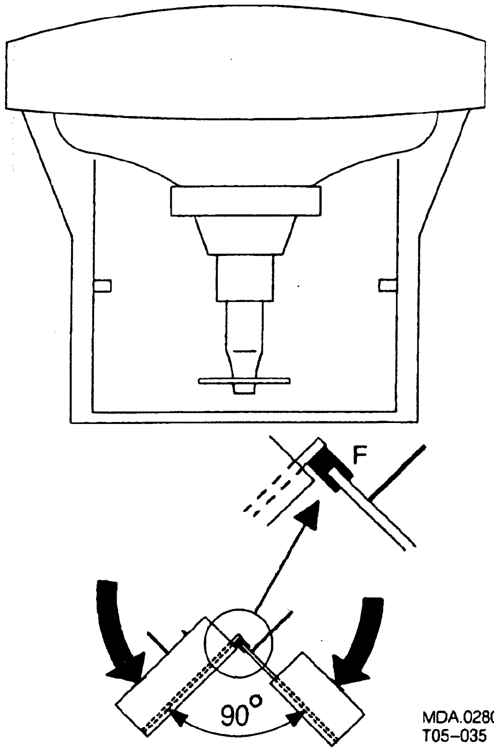
Fig. 4.1

MDA.02803
T05-035



MDA.02801
T05-035

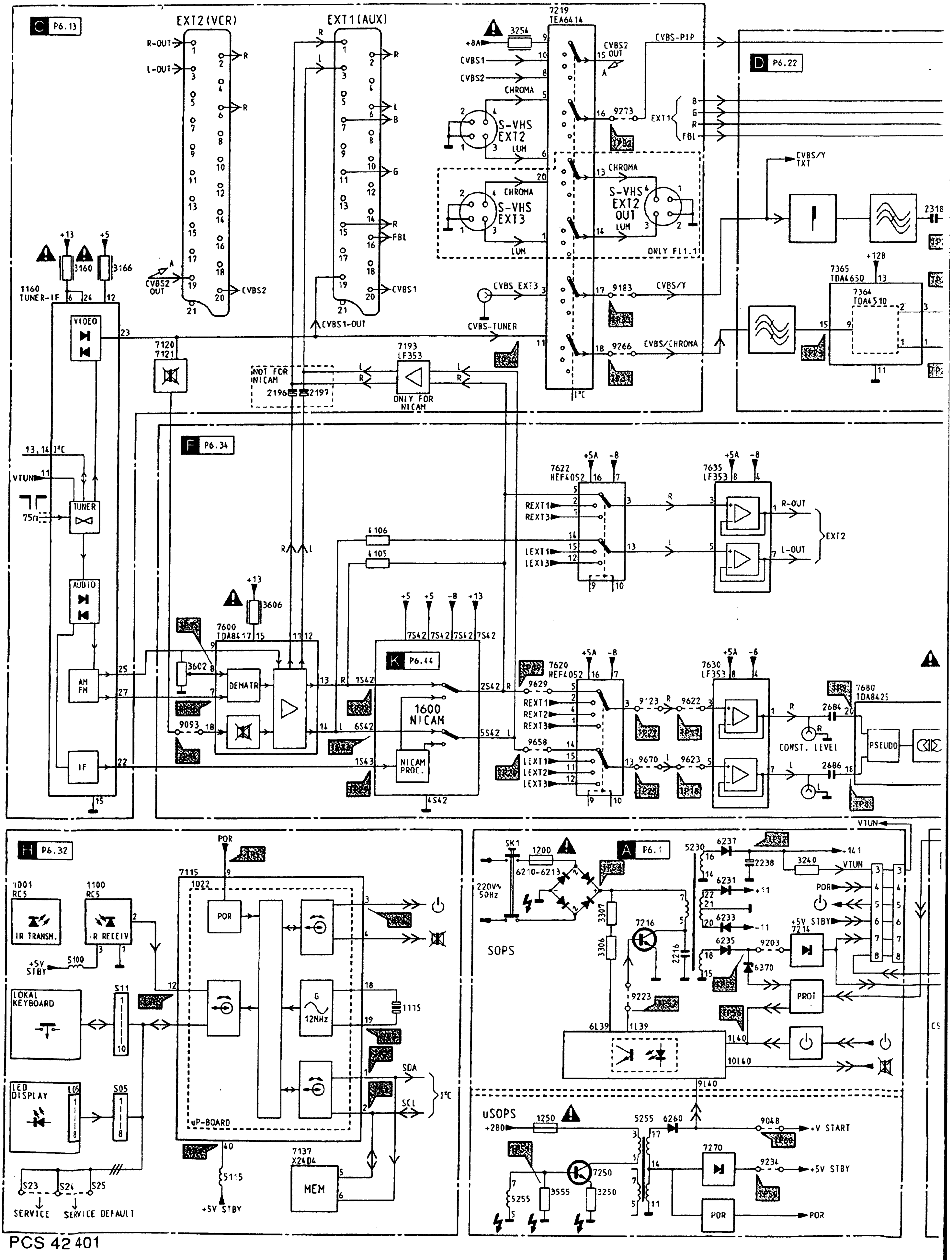
Fig. 4.2



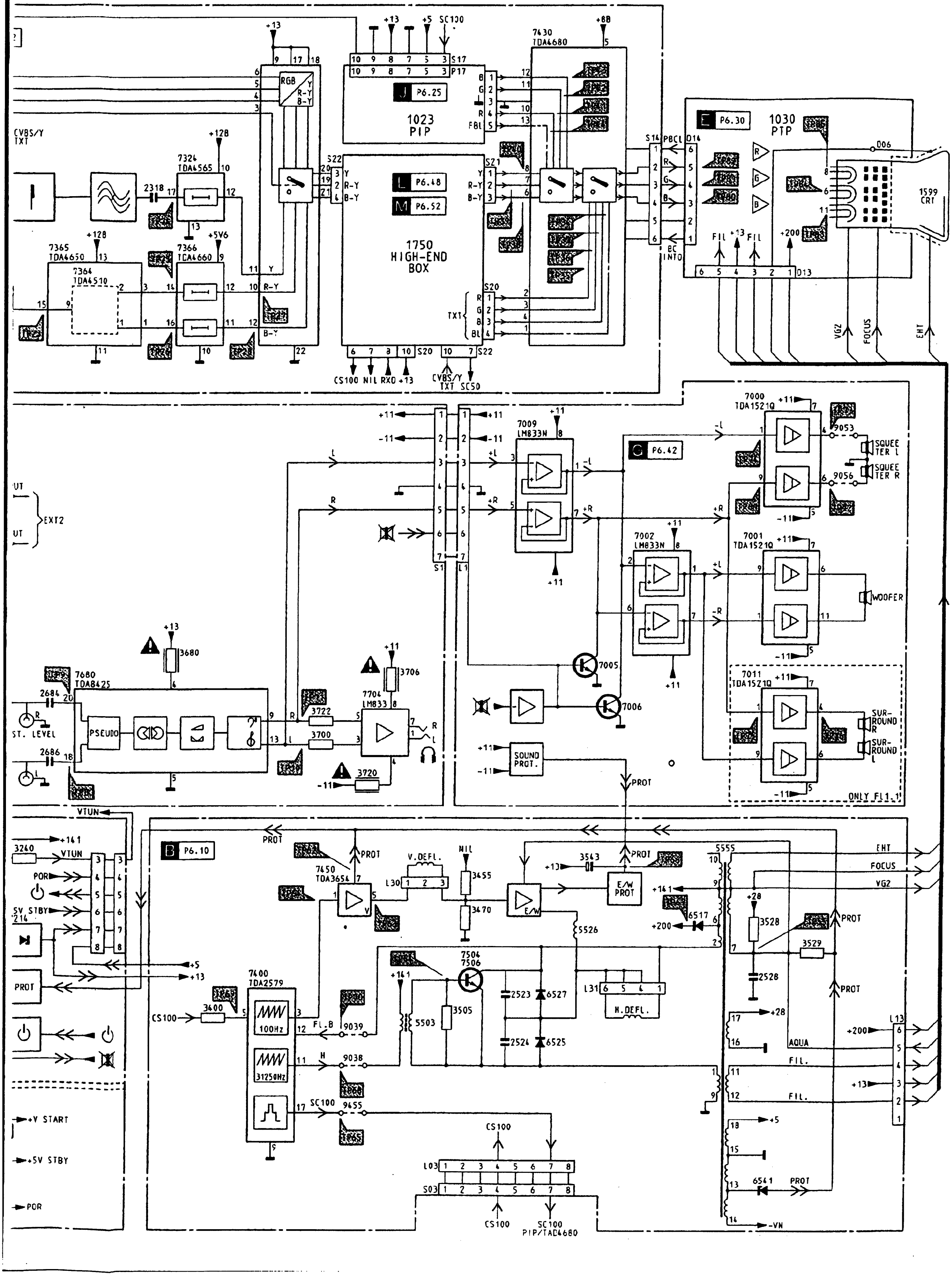
MDA.02802
T05-035

Fig. 4.3

Blockdiagram / Blockschaltbild /

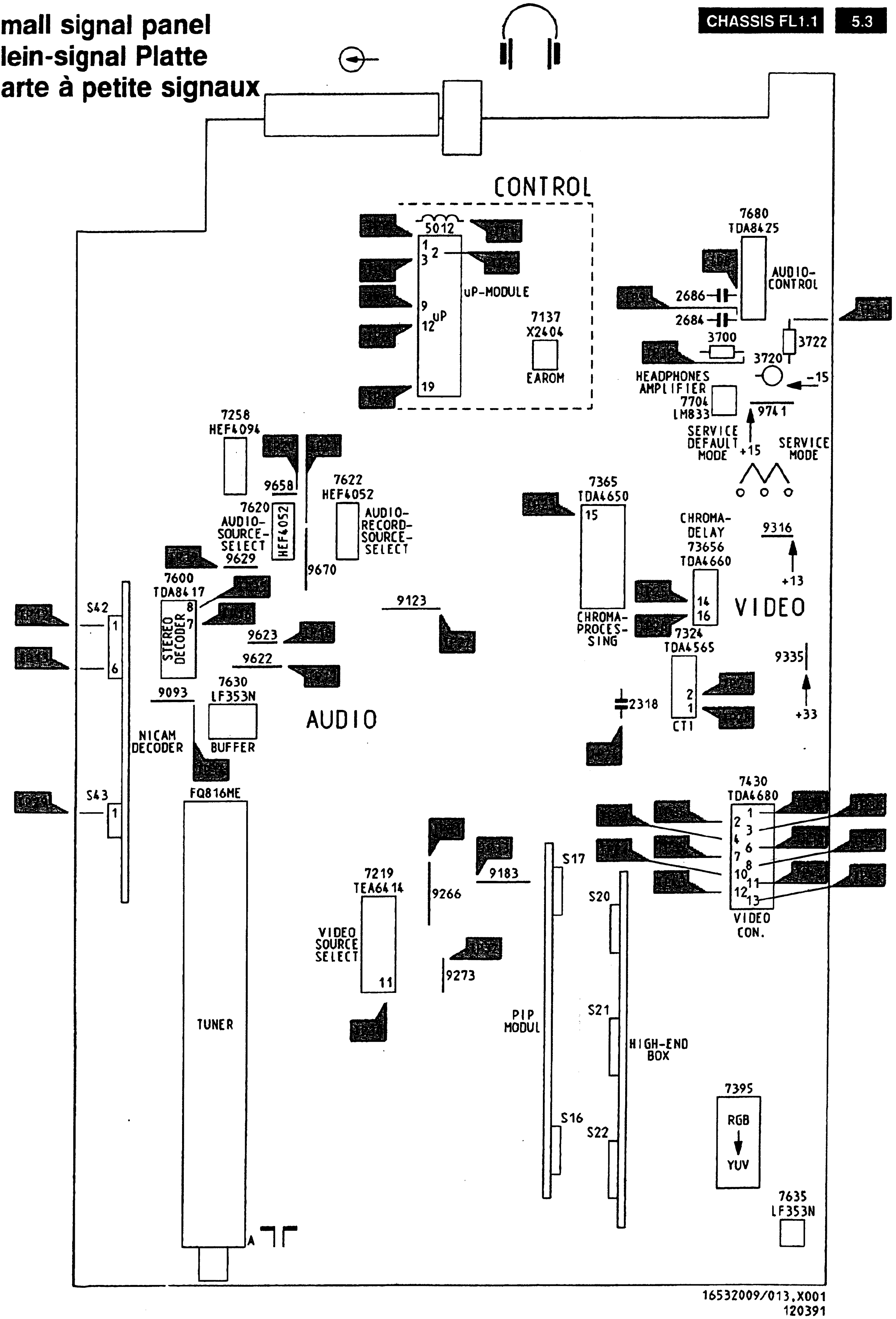

C P6.13
EXT2(VCR)
EXT1(AUX)
R-OUT
L-OUT
CVBS2 OUT
CVBS2
CVBS1
CVBS1-OUT
1160 TUNER-IF
VIDEO
TUNER
75Ω
VTUN
13, 14 I²C
AUDIO
AM FM
IF
7120 7121
NOT FOR NICAM
2196 2197
7193 LF353
ONLY FOR NICAM
7219 TEA6414
3256
+8A
CVBS2 OUT
CVBS-PIP
CHROMA
S-VHS EXT2
LUM
S-VHS EXT3
S-VHS EXT2 OUT
ONLY FL1.1
9273
EXT1
B G R FBL
CVBS EXT3
CVBS-TUNER
9183 CVBS/Y
9266 CVBS/CHROMA
D P6.22
CVBS/Y TXT
7365 TDA4650
7364 TDA4510
+12B
2318
F P6.34
7622 HEF4052
REXT1 REXT3 LEXT1 LEXT3
7635 LF353
R-OUT L-OUT EXT2
4106 4105
+13 3606
7600 TDA8417
3602
DEMATR
9093
K P6.44
7S42
1600 NICAM
NICAM PROC.
1S42 2S42 5S42 6S42 1S43 4S42
7620 HEF4052
9629 9658
REXT1 REXT2 REXT3 LEXT1 LEXT2 LEXT3
9123 9622 9670 9623
7630 LF353
7680 TDA8425
2684 2686
CONST. LEVEL
PSEUDO
H P6.32
1001 RC5 IR TRANSM.
1100 RC5 IR RECEIV
+5V STBY 5100
LOKAL KEYBOARD
S11
LED DISPLAY
S05
S23 S24 S25
SERVICE SERVICE DEFAULT
POR
7115
1022
12MHz
1115
SDA SCL I²C
uP-BOARD
5115
+5V STBY
7137 X2404
MEM
A P6.1
SK1 1200
6210-6213
220V~ 50Hz
SOPS
3307 3306
7216
2216
9223
6L39 1L39
5230
6237 +141
2238 3240 VTUN
6231 +11
6233 -11
6235 9203
6370
+5V STBY 7214
PROT
1L40 10L40 9L40
uSOPS
1250 +280
5255 6260
9048 +V START
7270
9234 +5V STBY
7250
3555 3250
5255
POR
VTUN
CS

5.1 5.2 CHASSIS FL 1.1 Diagramme schématique

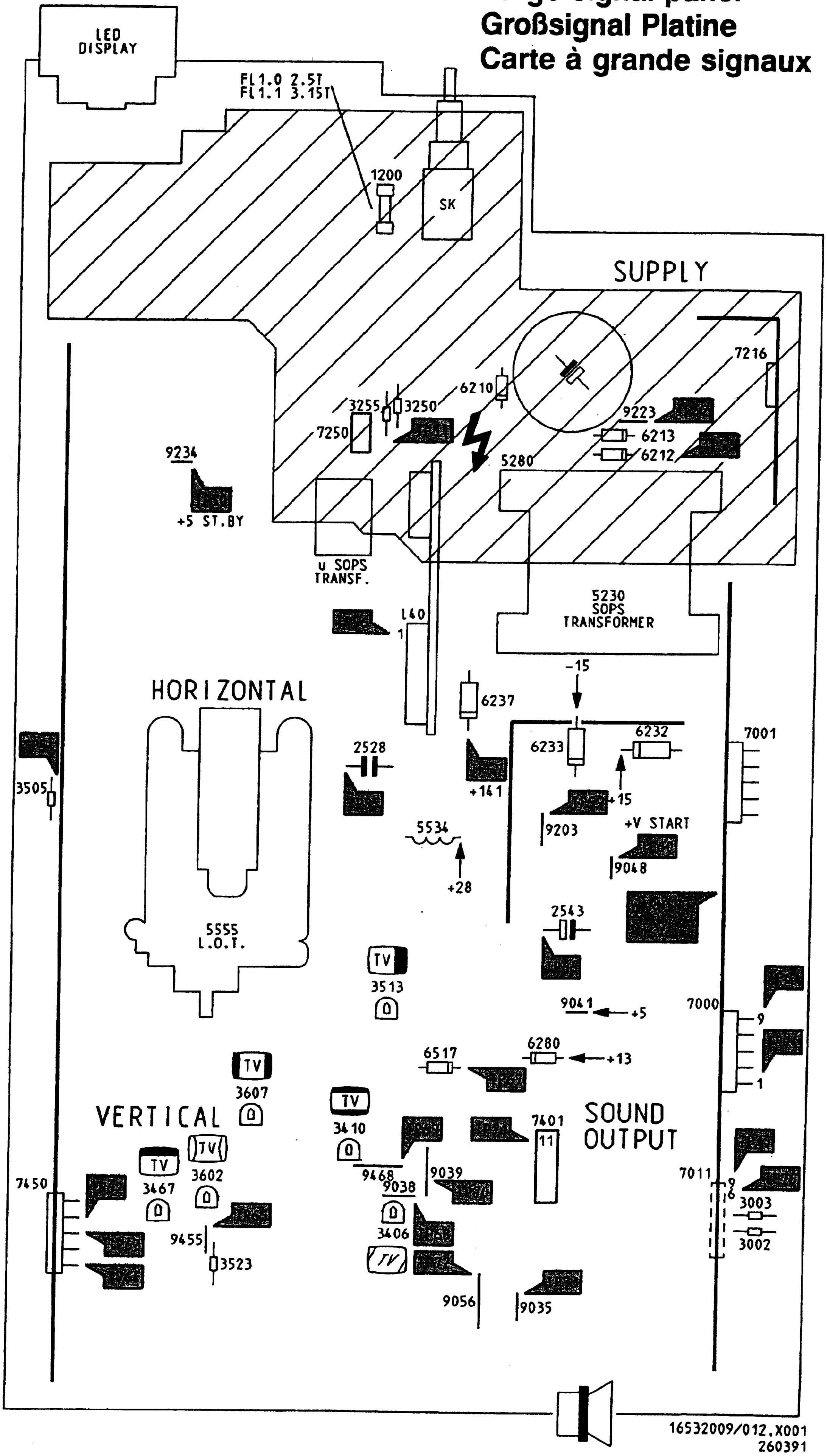


CVBS/Y TXT
7324 TDA4565
2318
7365 TDA4650
7364 TDA4510
7366 TDA4660
RGB
Y
R-Y
B-Y
+13
+128
+5V6
+5
SC100
S17
P17
J P6.25
1023 PIP
S22
SZ1
L P6.48
M P6.52
1750 HIGH-END BOX
S20
TXT
CS100
NIL
RXD
CVBS/Y TXT
SC50
7430 TDA4680
+8B
S14
PBCL
BC INTO
D14
E P6.30
1030 PTP
D06
1599 CRT
FIL
+200
D13
VG2
FOCUS
EHT
+11
-11
L
R
S1
L1
7009 LM833N
G P6.42
7000 TDA1521Q
9053
SQUEETER L
9056
SQUEETER R
7002 LM833N
7001 TDA1521Q
WOOFER
7005
7006
7011 TDA1521Q
SURROUND R
SURROUND L
ONLY FL1.1
SOUND PROT.
PROT
EXT2
7680 TDA8425
2684
ST. LEVEL
2686
PSEUDO
3680
3722
3700
3706
7704 LM833
3720
VTUN
+141
3260
POR
5V STBY
B P6.10
7450 TDA3654
V.DEFL.
L30
3455
3470
E/W
3543
E/W PROT
5555
6517
+28
3528
3529
2528
5526
7504 7506
2523
6527
2524
6525
L31
H.DEFL.
5503
3505
7400 TDA2579
3400
100Hz
31250Hz
FL.B
9039
H
9038
SC100
9455
L03
S03
CS100
SC100 PIP/TAD4680
AQUA
FIL.
L13
+V START
+5V STBY
POR
6541
-VN

Small signal panel
Klein-signal Platte
Carte à petite signaux

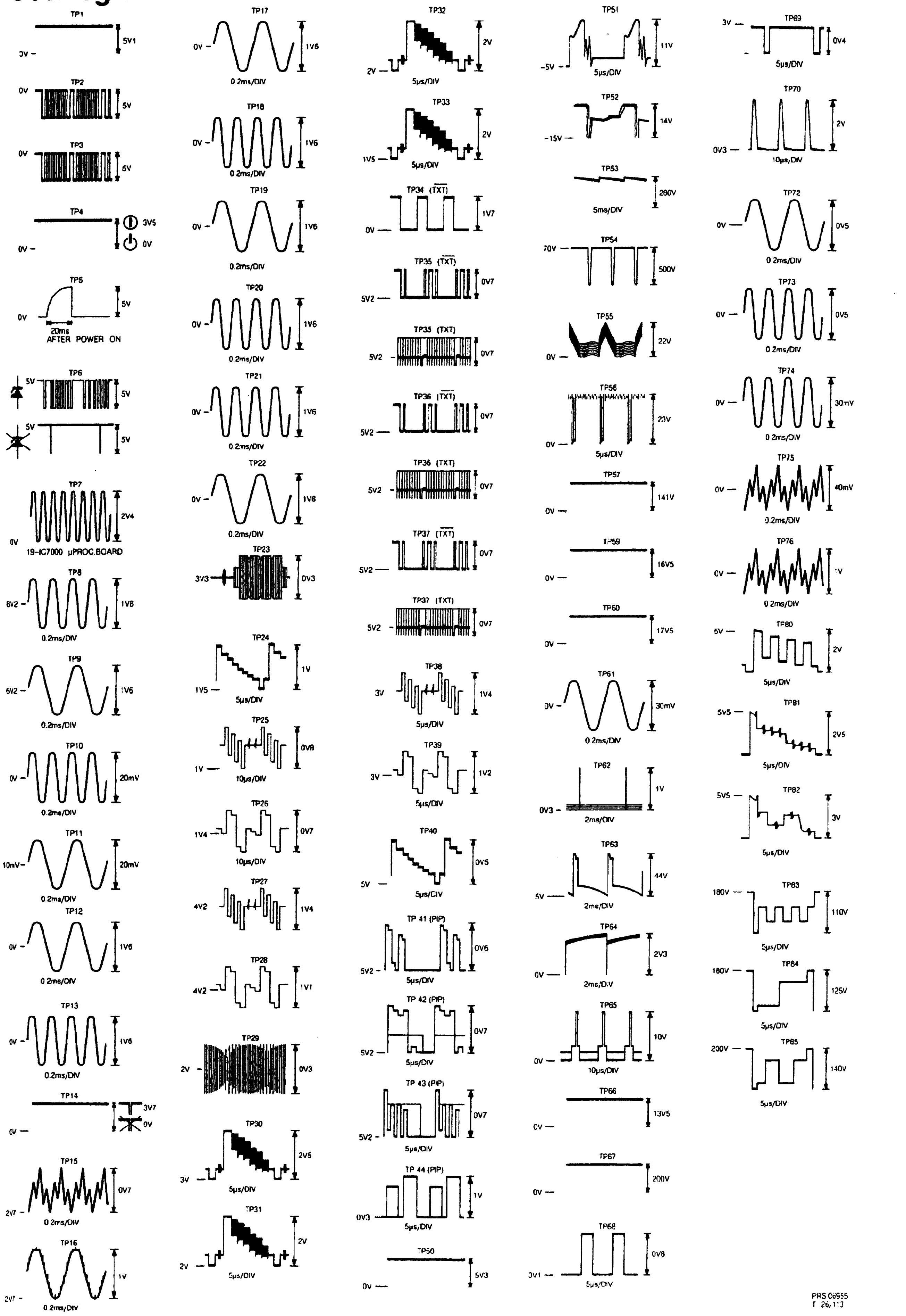

CONTROL
5012
1
3
2
9
12
uP
19
uP-MODULE
7137
X2404
EAROM
7680
TDA8425
AUDIO-
CONTROL
2686
2684
3700
3720
3722
HEADPHONES
AMPLIFIER
7704
LM833
-15
9741
SERVICE
DEFAULT
MODE
+15
SERVICE
MODE
7258
HEF4094
9658
7620
AUDIO-
SOURCE-
SELECT
HEF4052
9629
7622
HEF4052
AUDIO-
RECORD-
SOURCE-
SELECT
9670
7365
TDA4650
15
CHROMA-
PROCES-
SING
CHROMA-
DELAY
73656
TDA4660
14
16
9316
+13
VIDEO
7324
TDA4565
2
1
CTI
9335
+33
2318
7600
TDA8417
8
7
STEREO
DECODER
S42
1
6
9123
9623
9622
9093
7630
LF353N
BUFFER
AUDIO
NICAM
DECODER
S43
1
FQ816ME
TUNER
A
7430
TDA4680
1
2
3
4
6
7
8
10
11
12
13
VIDEO
CON.
9183
S17
9266
7219
TEA6414
VIDEO
SOURCE
SELECT
11
9273
S20
S21
PIP
MODUL
HIGH-END
BOX
S16
S22
7395
RGB
YUV
7635
LF353N
16532009/013.X001
120391

Large signal panel
Großsignal Platine
Carte à grande signaux


LED DISPLAY
FL1.0 2.5T
FL1.1 3.15T
1200
SK
SUPPLY
7216
6210
3255
3250
7250
9223
6213
6212
5280
9234
+5 ST.BY
u SOPS TRANSF.
5230 SOPS TRANSFORMER
L40
1
HORIZONTAL
6237
-15
6232
6233
7001
2528
+141
+15
3505
5534
9203
+V START
9048
+28
5555 L.O.T.
2543
TV
3513
9041
+5
7000
9
6517
6280
+13
1
TV
3607
VERTICAL
TV
3410
7401
11
SOUND OUTPUT
TV
TV
3602
7450
3467
9468
9038
9039
7011
9
16
3003
3002
9455
3523
3406
TV
9056
9035

16532009/012.X001
260391

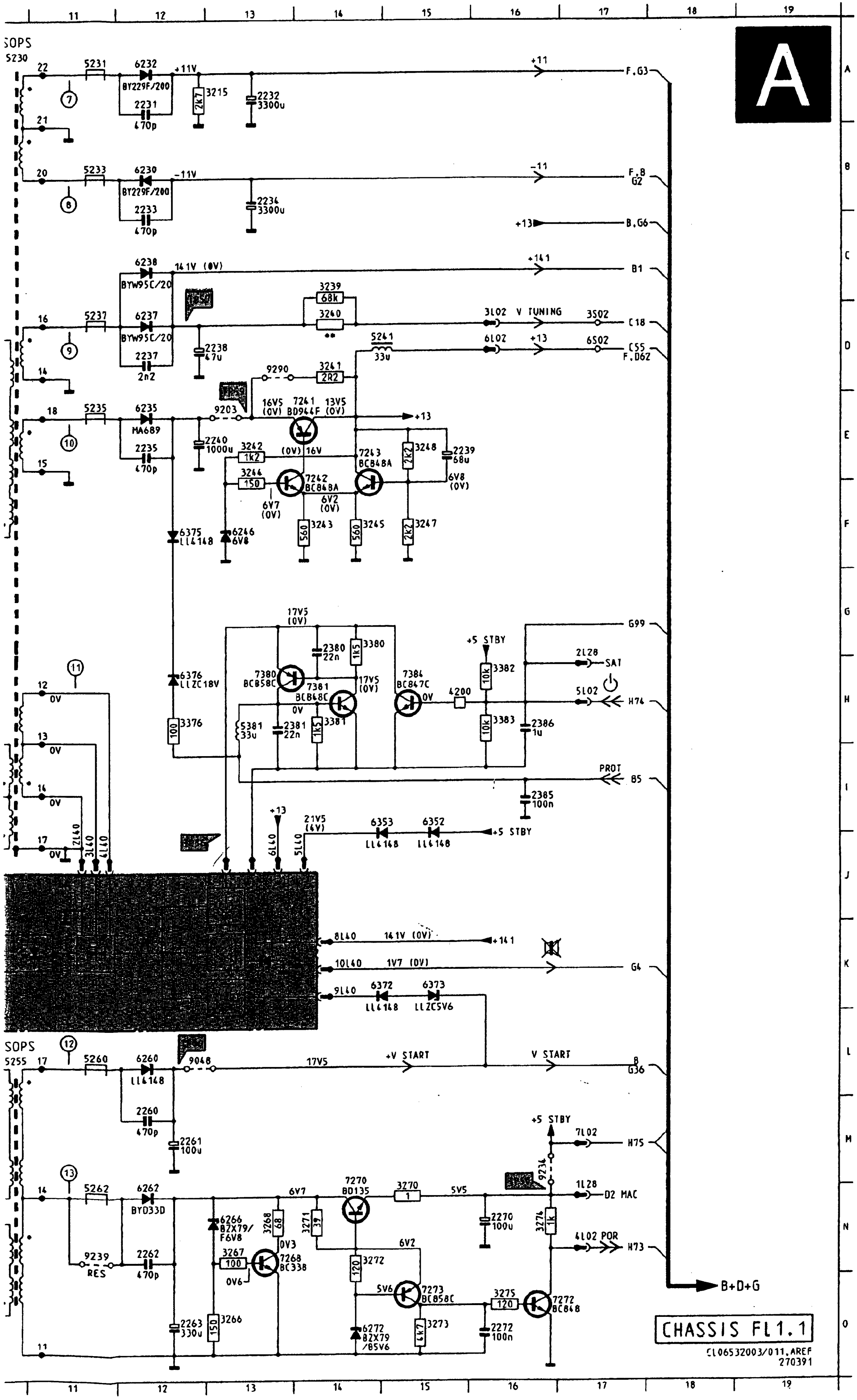
Oscillograms



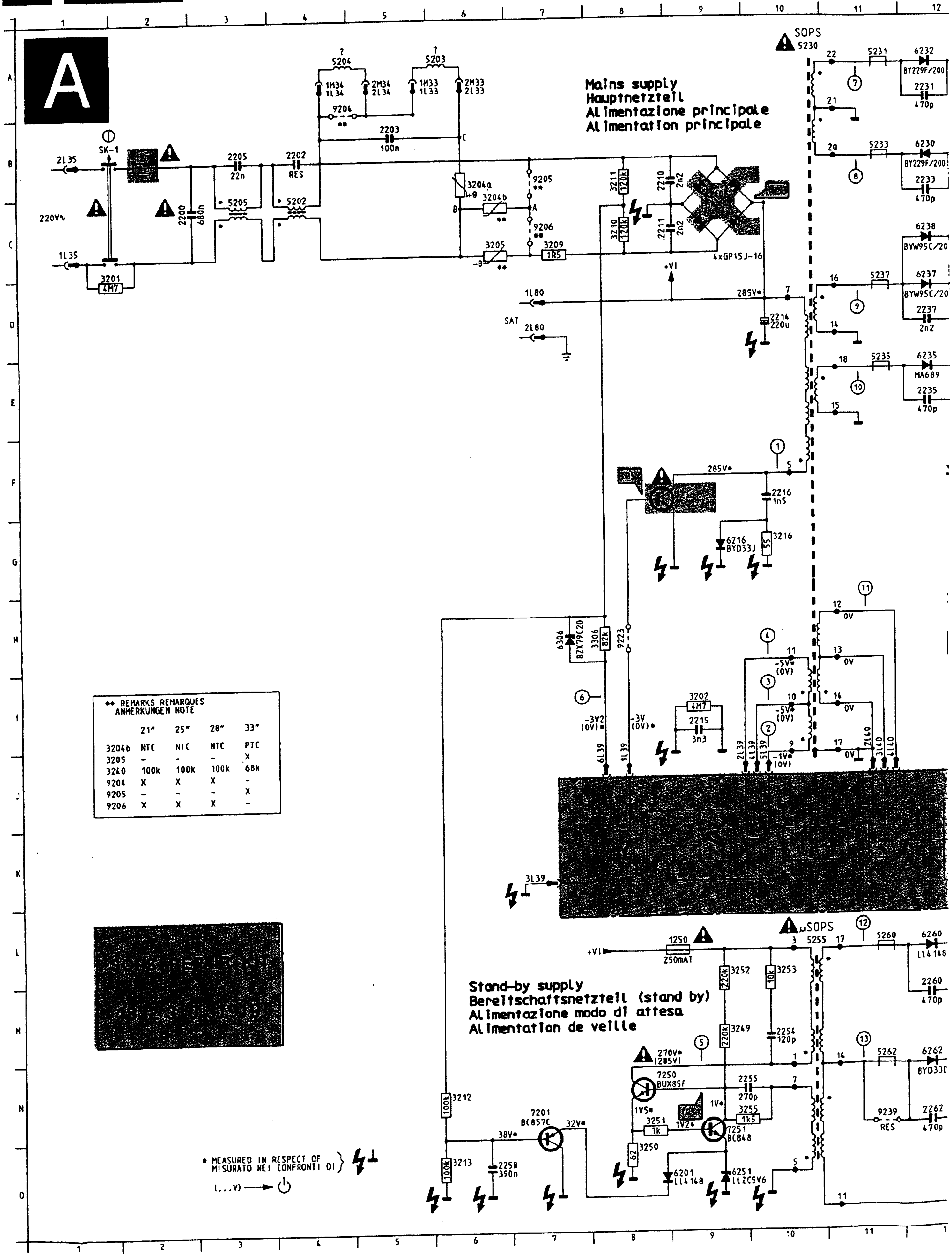
PRS C6955
T 26,113

Power supply

Stromversorgung


A
11
12
13
14
15
16
17
18
19
SOPS
5230
22
5231
6232
+11V
BY229F/200
2231
470p
3215
2k7
2232
3300u
+11
F,G3
7
21
20
5233
6230
-11V
BY229F/200
2233
470p
2234
3300u
-11
F,B
G2
6
+13
B,G6
6238
141V (0V)
BYW95C/20
+141
B1
3239
68k
3240
**
16
5237
6237
BYW95C/20
2238
47u
2237
2n2
9
14
3102
V TUNING
3502
C18
5241
33u
6102
+13
6502
C55
F,D62
9290
3241
2R2
18
5235
6235
MA689
9203
16V5
(0V)
7241
BD944F
13V5
(0V)
+13
2240
1000u
2235
470p
10
15
3242
1k2
(0V) 16V
7243
BC848A
3248
2k2
2239
68u
6V8
(0V)
3244
150
7242
BC848A
6V7
(0V)
6V2
(0V)
6375
LL4148
6246
6V8
560
3243
560
3245
2k2
3247
17V5
(0V)
2380
22n
3380
1k5
7380
BC858C
7381
BC848C
17V5
(0V)
0V
7384
BC847C
0V
+5 STBY
3382
10k
4200
3383
10k
2386
1u
G99
2128
SAT
5102
H74
6376
LLZC18V
11
12
0V
13
0V
14
0V
17
0V
3376
100
5381
33u
2381
22n
1k5
3381
PROT
B5
2385
100n
+13
21V5
(4V)
6353
LL4148
6352
LL4148
+5 STBY
2140
3140
4140
6140
5140
8140
141V (0V)
+141
10140
1V7 (0V)
G4
9140
6372
LL4148
6373
LLZC5V6
SOPS
5255
17
12
5260
6260
LL4148
9048
17V5
+V START
V START
B
G36
2260
470p
2261
100u
+5 STBY
7102
H75
13
14
5262
6262
BYD33D
6V7
7270
BD135
3270
1
5V5
9234
1128
D2 MAC
6266
BZX79/
F6V8
3268
68
3271
39
2270
100u
3274
1k
4102 POR
H73
9239
RES
2262
470p
3267
100
0V6
0V3
7268
BC338
6V2
3272
120
5V6
7273
BC858C
3275
120
7272
BC848
B+D+G
2263
330u
3266
150
6272
BZX79
/B5V6
4k7
3273
2272
100n
11
CHASSIS FL1.1
CL06532003/011.AREF
270391

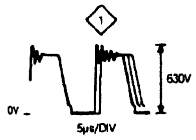
1200	B 2	7216	F 9
1250	L 9	7241	E14
2200	C 2	7242	E14
2202	B 4	7243	E14
2203	B 5	7250	N 8
2205	B 3	7251	N 9
2210	B 9	7268	N13
2211	C 9	7270	M14
2214	D10	7272	O16
2215	I 9	7273	O15
2216	F10	7380	H13
2231	A12	7381	H14
2232	A13	7384	H15
2233	B12	9048	L12
2234	B13	9203	E13
2235	E12	9204	A 4
2237	D12	9205	B 7
2238	D12	9206	C 7
2239	E15	9223	H 8
2240	E12	9234	M16
2254	M10	9239	N11
2255	N 9	9290	D13
2258	O 6		
2260	M12		
2261	M12		
2262	N12		
2263	O12		
2270	N16		
2272	O16		
2380	G14		
2381	H13		
2385	I16		
2386	H16		
3201	C 1		
3202	I 9		
3204	C 6		
3204	B 6		
3205	C 6		
3209	C 7		
3210	C 8		
3211	B 8		
3212	N 6		
3213	D 6		
3215	A13		
3216	G10		
3239	C14		
3240	D14		
3241	D14		
3242	E13		
3243	F14		
3244	E13		
3245	F14		
3247	F15		
3248	E15		
3249	M 9		
3250	O 8		
3251	N 8		
3252	L 9		
3253	L10		
3255	N 9		
3266	O13		
3267	N13		
3268	N13		
3270	N15		
3271	N14		
3272	N14		
3273	O15		
3274	N16		
3275	O16		
3306	H 8		
3376	H12		
3380	G14		
3381	H14		
3382	H16		
3383	H16		
4102	N17		
4200	H15		
5202	C 4		
5203	A 6		
5204	A 4		
5205	C 3		
5230	A10		
5231	A11		
5233	B11		
5235	E11		
5237	D11		
5241	D14		
5255	L10		
5260	L11		
5262	N11		
5381	H13		
6201	O 9		
6210	C 9		
6211	C 9		
6212	C 9		
6213	B 9		
6216	G 9		
6230	B12		
6232	A12		
6235	E12		
6237	D12		
6238	C12		
6246	F13		
6251	O 9		
6260	L12		
6262	N12		
6266	N13		
6272	O14		
6306	H 7		
6352	I15		
6353	I14		
6372	K14		
6373	K15		
6375	F12		
6376	H12		
7201	N 7		

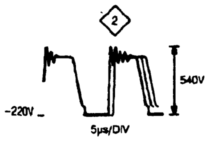

A
Mains supply
Hauptnetzteil
Alimentazione principale
Alimentation principale
Stand-by supply
Bereitschaftsnetzteil (stand by)
Alimentazione modo di attesa
Alimentation de veille
SOPS 5230
µSOPS 5255
SOPS REPAIR KIT
220V∿
2L35
1L35
SK-1
3201 4M7
2200 680n
2205 22n
5205
2202 RES
5202
5204
1M34 1L34
2M34 2L34
5203
1M33 1L33
2M33 2L33
9206
2203 100n
3204a +θ
3204b
3205 -θ
9205
3209 1R5
3211 120k
3210 120k
2210 2n2
2211 2n2
4xGP15J-16
+VI
1L80
SAT
2L80
285V•
2214 220u
2216 1n5
6216 BYD33J
3216 55
6306 BZX79C20
3306 82k
9223
-3V2 (0V)•
-3V (0V)•
3202 4M7
2215 3n3
6L39
1L39
2L39
5L39
3L40
4L40
2L40
3L39
-5V• (0V)
-1V• (0V)
0V
5231
6232 BY229F/200
2231 470p
5233
6230 BY229F/200
2233 470p
6238 BYW95C/20
5237
6237 BYW95C/20
2237 2n2
5235
6235 MA689
2235 470p
1250 250mAT
3252 220k
3253 10k
3249 220k
2254 120p
270V• (285V)
7250 BUX85F
2255 270p
3255 1k5
1V5•
1V•
3251 1k
1V2•
7251 BC848
3250 62
6201 LL4148
6251 LLZC5V6
7201 BC857C
38V•
32V•
3212 100k
3213 100k
2258 390n
5260
6260 LL4148
2260 470p
5262
6262 BYD33D
9239 RES
2262 470p
• MEASURED IN RESPECT OF
MISURATO NEI CONFRONTI DI
(...V)

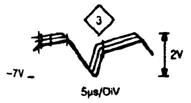
** REMARKS REMARQUES ANMERKUNGEN NOTE

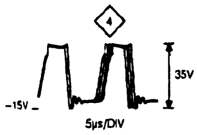
	21"	25"	28"	33"
3204b	NTC	NTC	NTC	PTC
3205	-	-	-	X
3240	100k	100k	100k	68k
9204	X	X	X	-
9205	-	-	-	X
9206	X	X	X	-

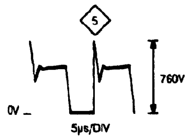
L'alimentation

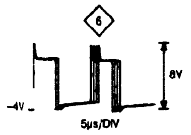


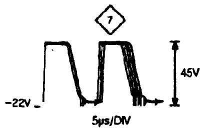


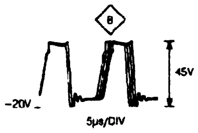


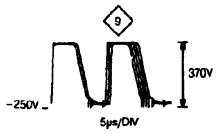


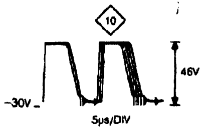


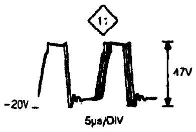


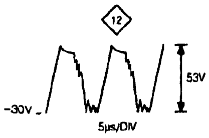


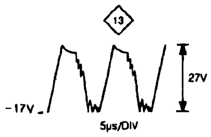




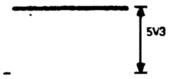




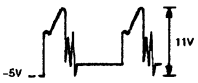




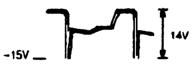
TP 50



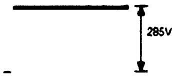
TP 51



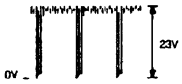
TP 52



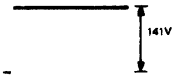
TP 53



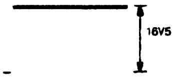
TP 56



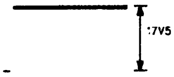
TP 57



TP 59

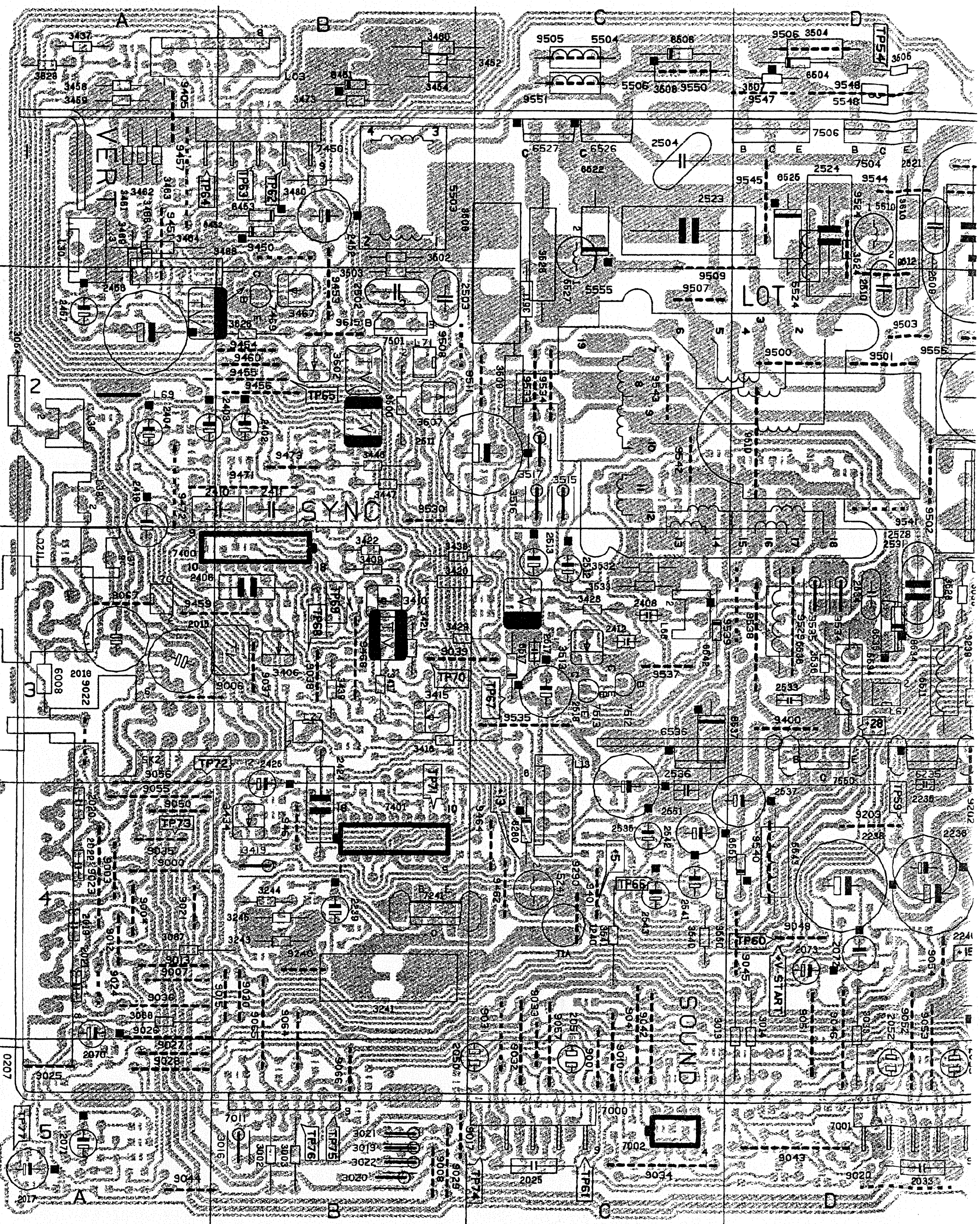


TP 60

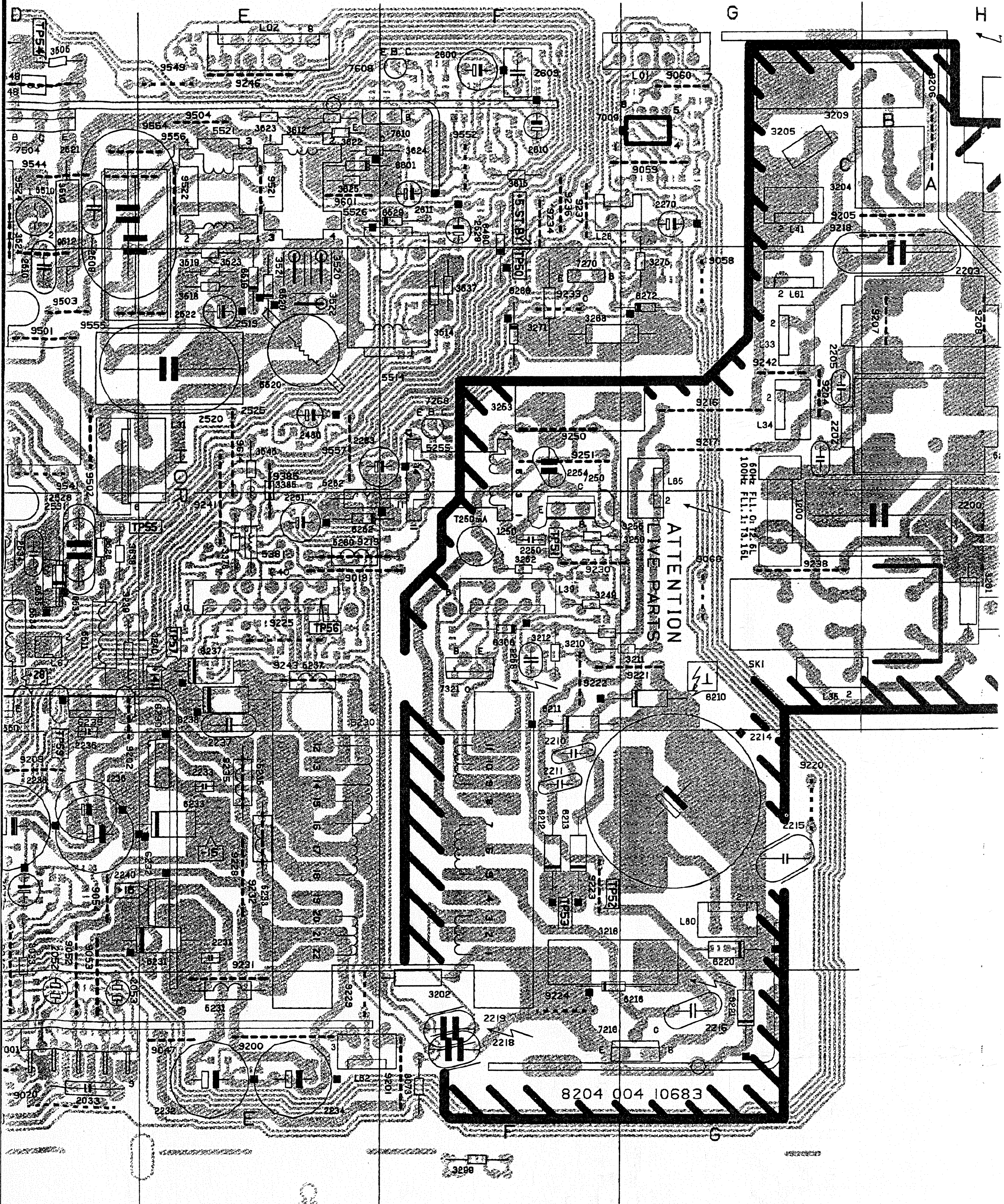


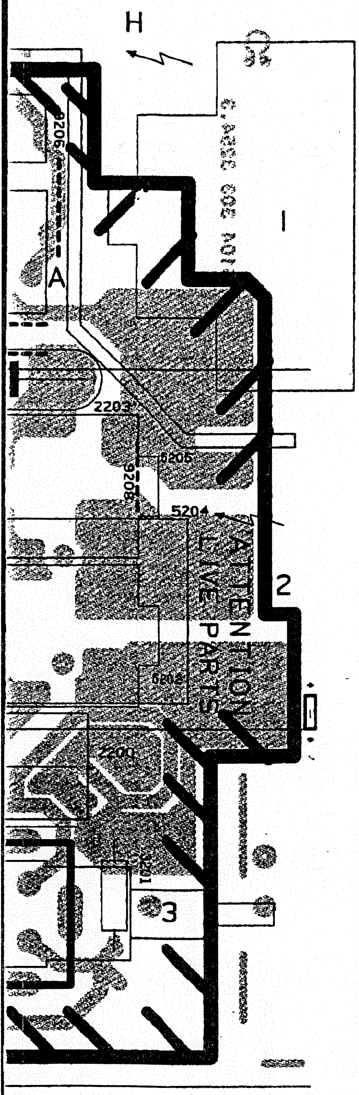
PRS 06958
T-26/113

Large signal panel Groß-signal Platine


A
B
C
D
1
2
3
4
5
VERT
SYNC
LOT
SOUND
V-START
TP54
TP55
TP59
TP60
TP61
TP62
TP63
TP64
TP65
TP66
TP67
TP68
TP69
TP70
TP71
TP72
TP73
TP74
TP75
TP76
TP77
7400
7401
7450
7501
7504
7506
7550
7000
7001
7002
7011
2504
2523
2524
2025
2033
3241
9505
5504
9506
3504
6506
6504
5555
9500
9501
9503
9535
9537
9400
9034
9043
9044
9020
9025

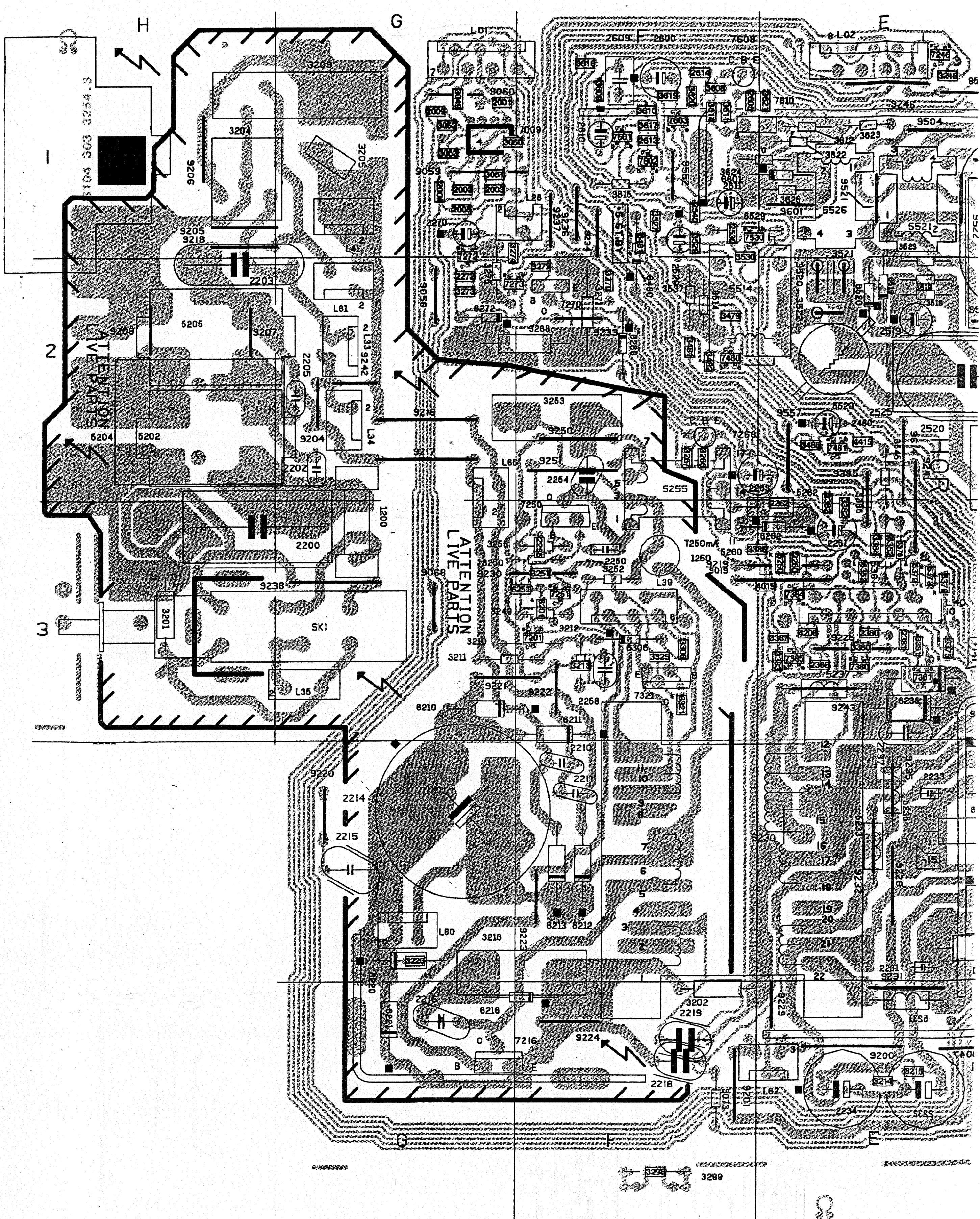
Platine forts signeaux


D
E
F
G
H
ATTENTION
LIVE PARTS
60Hz FL1.0: T2.6L
100Hz FL1.1: T3.15L
8204 004 10683
5 ST.BY
HOR
SKI
TP50
TP51
TP52
TP53
TP54
TP55
TP56
TP57
L01
L02
L28
L33
L34
L35
L39
L41
L61
L65
L67
L80
L82
7000
7216
7268
7270
7321
7504
7600
7610
2200
2203
2210
2211
2214
2215
2216
2219
2218
2250
2254
2520
2525
2600
2609
2610
2611
3202
3205
3209
3204
3210
3212
3216
3249
3252
3268
3275
3298
3523
3614
3622
3623
3624
3625
9200
9216
9217
9218
9220
9221
9222
9224
9230
9238
9241
9242
9250
9251
9504
9544
9549
9552
9555
9556
9557
9564
9601



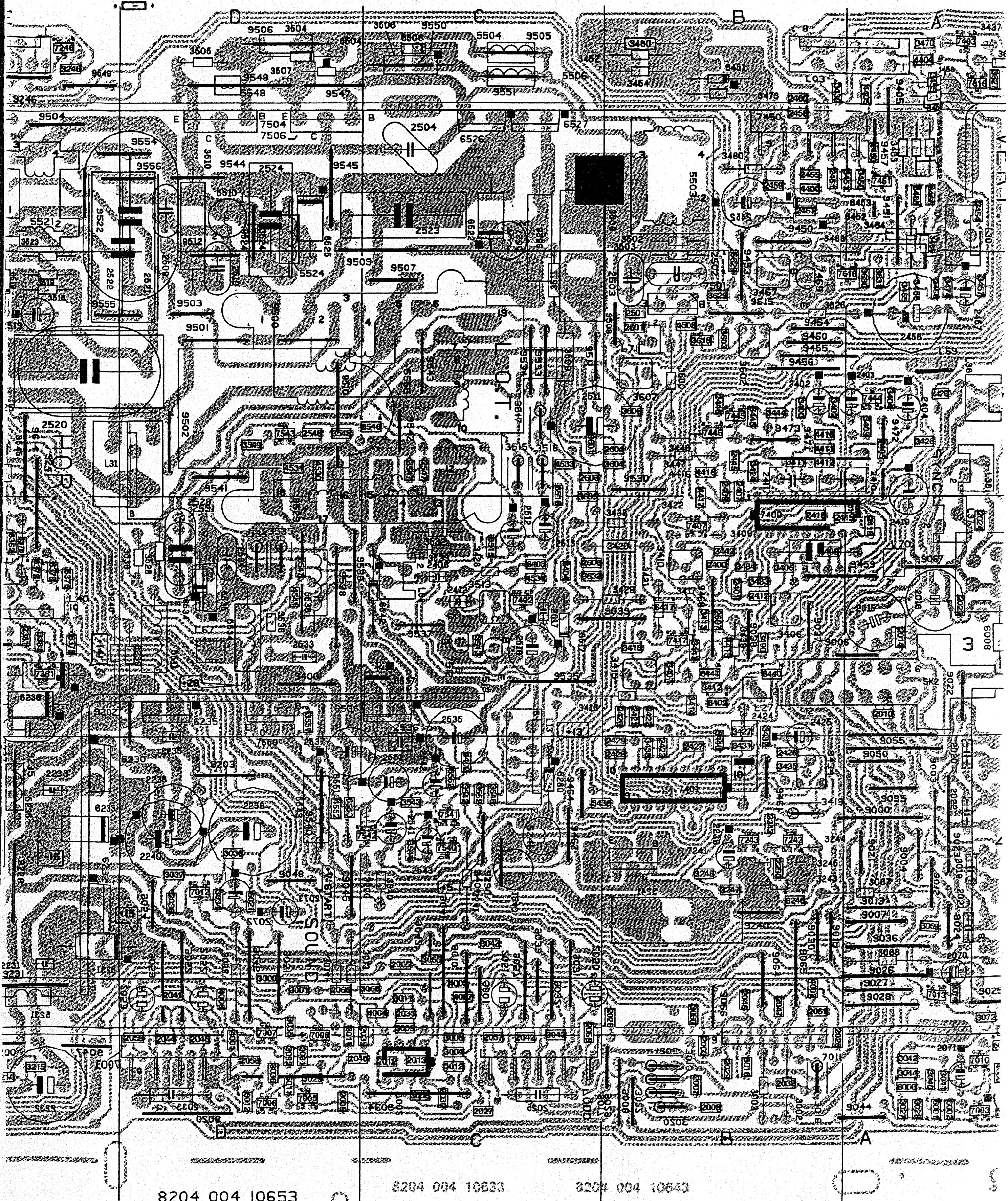
0207 A4	2509 D1	3447 B2	6231 E4	9051 D4	9543 C2
0211 A3	2510 D2	3452 B1	6232 E4	9052 D4	9544 D1
039 H5	2511 C2	3454 B1	6233 E4	9053 D5	9545 D1
040 H4	2512 C3	3458 A1	6235 D3	9054 D4	9547 D1
L01 F1	2513 C3	3459 A1	6237 E3	9055 A4	9548 D1
L02 E1	2517 C3	3460 B1	6238 E3	9056 A3	9549 E1
L03 A1	2518 C3	3461 A1	6262 E3	9057 C5	9550 C1
L13 C4	2519 E2	3462 A1	6266 F2	9058 G2	9551 C1
L27 B3	2520 E2	3463 A1	6272 G2	9059 G1	9552 F1
L28 G1	2521 D1	3464 A1	6280 C4	9060 G1	9554 D1
L30 A1	2522 D1	3466 A1	6306 F3	9064 B5	9555 E2
L31 E2	2523 C1	3467 B2	6308 H5	9065 B4	9556 D1
L33 G2	2524 D1	3468 A2	6312 H5	9066 B5	9557 E2
L34 G2	2525 E2	3469 A1	6319 H5	9067 A3	9601 E1
L35 G3	2528 D3	3473 B1	6451 B1	9068 G3	9614 E2
L36 A2	2529 F1	3480 B1	6452 B1	9200 E5	9615 B2
L37 A3	2531 D3	3500 B2	6453 B1	9201 F5	
L38 A2	2533 D3	3502 B1	6480 F1	9202 D3	
L39 F3	2534 D3	3503 B2	6504 D1	9203 D4	
L40 E3	2535 C4	3504 D1	6506 C1	9204 G2	
L41 G1	2536 C4	3505 D1	6517 C3	9205 H1	
L61 G2	2537 D4	3506 C1	6519 E2	9206 H1	
L62 E5	2541 C4	3507 D1	6520 E2	9207 H2	
L65 G2	2542 C4	3508 C2	6522 C1	9208 H2	
L67 D3	2543 C4	3509 C2	6525 D1	9216 G2	
L68 C3	2551 C4	3510 D1	6526 C1	9217 G2	
L69 A2	2600 F1	3511 C2	6527 C1	9218 H1	
L70 A3	2609 F1	3513 C3	6529 F1	9219 E3	
L71 B2	2610 F1	3514 F2	6534 D3	9220 G4	
L80 G4	2611 F1	3515 C2	6535 D3	9221 G3	
SK1 G3	3002 B5	3516 C2	6536 C3	9222 F3	
SK2 B3	3003 B5	3517 C2	6537 C3	9223 F4	
1200 G3	3013 D4	3518 E2	6542 C3	9224 F5	
1240 C4	3014 D4	3519 E2	6551 D4	9225 E3	
1250 F3	3016 B5	3520 E2	6601 E1	9228 E4	
2015 A3	3019 B5	3521 E2	7000 C5	9229 E5	
2016 A3	3020 B5	3522 E2	7001 D5	9230 F3	
2017 A5	3021 B5	3523 E2	7002 C5	9231 E5	
2019 A4	3022 B5	3524 D1	7009 G1	9232 E4	
2020 A4	3033 D4	3526 C1	7011 B5	9233 F2	
2021 A4	3054 A2	3528 D3	7216 G5	9234 F1	
2022 A4	3067 A4	3532 C3	7241 B4	9235 E4	
2025 C5	3068 A4	3533 C3	7250 F3	9236 F1	
2033 D5	3073 F5	3534 D3	7268 F2	9237 F1	
2050 C5	3201 H3	3535 D3	7270 F2	9238 G3	
2051 C5	3202 F5	3536 D3	7312 H5	9240 B4	
2052 D5	3204 H1	3537 F2	7320 H4	9241 E3	
2053 D5	3205 G1	3538 D3	7321 F3	9242 G2	
2070 A4	3209 G1	3540 C4	7400 B3	9243 E3	
2071 A5	3210 F3	3541 C4	7401 B4	9246 E1	
2072 D4	3211 G3	3545 E2	7450 A1	9250 F2	
2073 D4	3212 F3	3550 C4	7469 B2	9251 F2	
2200 H3	3216 F4	3602 B2	7501 B2	9290 C4	
2202 G2	3239 D3	3607 B2	7504 D1	9300 H5	
2203 H2	3240 E3	3612 E1	7506 D1	9302 H4	
2205 G2	3241 B4	3615 F1	7512 C3	9385 E2	
2210 F4	3243 B4	3622 E1	7513 C3	9400 D3	
2211 F4	3244 B4	3623 E1	7550 D3	9401 C4	
2214 G4	3245 B4	3624 E1	7608 F1	9405 A1	
2215 G4	3249 F3	3625 E1	7610 E1	9450 B1	
2216 G5	3250 F3	3626 B2	9000 A4	9451 A1	
2218 F5	3252 F3	3628 A1	9001 C5	9453 B2	
2219 F5	3253 F2	5202 H2	9003 A4	9454 B2	
2231 E4	3255 F3	5204 H2	9004 A4	9455 B2	
2232 E5	3268 F2	5205 H2	9006 A3	9456 B2	
2233 E4	3271 F2	5230 F4	9007 A4	9457 A1	
2234 E5	3275 G2	5231 E5	9008 B5	9459 B3	
2235 D3	3299 F5	5233 E4	9010 C5	9460 B2	
2236 D4	3300 H5	5235 E4	9012 A4	9461 B4	
2237 E3	3308 H5	5237 E3	9013 A4	9462 C4	
2238 D4	3310 H5	5241 C4	9015 B4	9464 C4	
2239 B4	3313 H5	5255 F3	9017 B5	9468 B3	
2240 D4	3314 H5	5260 E3	9019 E3	9471 B2	
2250 F3	3315 H5	5262 E3	9020 D5	9472 A2	
2254 F2	3331 H4	5308 H5	9021 A4	9473 B2	
2258 F3	3332 H4	5310 H5	9022 A3	9500 D2	
2261 E3	3351 H4	5381 E3	9023 A4	9501 D2	
2263 E2	3357 H4	5503 B1	9024 A4	9502 D2	
2270 G1	3358 H4	5504 C1	9025 A5	9503 D2	
2321 H5	3368 H4	5506 C1	9026 A4	9504 E1	
2351 H4	3369 H4	5510 D1	9027 A5	9505 C1	
2361 H4	3371 H4	5511 D3	9028 A5	9506 D1	
2372 H4	3374 H4	5514 F2	9029 B5	9507 C2	
2376 H4	3376 E3	5520 E2	9030 B4	9508 B2	
2402 B2	3385 E2	5521 E1	9031 C4	9509 C1	
2403 A2	3406 B3	5524 D1	9032 C5	9510 D2	
2404 A2	3409 B3	5526 E1	9033 C5	9511 C2	
2406 B3	3410 B3	5527 C2	9034 C5	9512 D2	
2408 C3	3415 B3	5534 D3	9035 A4	9521 E1	
2410 B2	3416 B3	5536 D3	9036 A4	9522 E1	
2411 B2	3417 B3	5543 D4	9037 B3	9524 D1	
2412 C3	3419 B4	5548 D1	9038 B3	9529 D3	
2419 A2	3420 B3	5555 D3	9039 B3	9530 B2	
2424 B4	3421 B3	6008 A3	9041 C4	9533 C2	
2425 B4	3422 B3	6210 G3	9042 C4	9534 C2	
2452 B1	3428 C3	6211 F3	9043 D5	9535 C3	
2456 A2	3429 B3	6212 F4	9044 A5	9537 C3	
2457 A2	3434 B4	6213 F4	9045 D4	9538 D3	
2480 E2	3437 A1	6216 F5	9046 D4	9539 D3	
2502 B2	3438 B3	6220 G4	9047 E5	9540 D4	
2503 B2	3439 B3	6221 G5	9048 D4	9541 D2	
2504 C1	3446 B2	6230 E4	9050 A4	9542 C2	

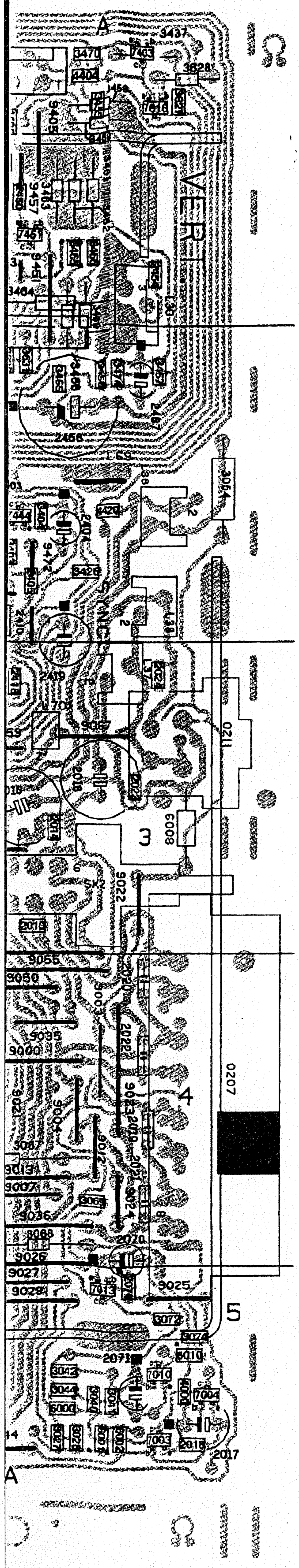
Large signal panel Groß-s


H
G
E
I
2
3
ATTENTION LIVE PARTS
ATTENTION LIVE PARTS
3209
3204
3205
9206
9205
9218
2203
5205
3207
9209
5204
5202
2205
9204
2202
2200
1200
9238
3201
SK1
L35
L41
L61
L33
9242
L34
9216
9217
3253
9250
2254
5255
L86
T250mA
1260
L39
6210
9220
2214
2215
2210
2211
6213
6212
L80
3218
9223
3202
2219
2218
6216
2216
7216
9224
9200
2234
L62
9243
9231
9230
3289
L01
L02
2609
2600
7608
9060
9059
9058
7009
2270
7272
7270
5514
3520
5526
9601
9557
2520
2525
9504
3623
3622
2519
5237
7321
2258
3212
3211
3210
9221
9222
6306
Ω

Groß-signal Platine Platine forts signeaux

CHASSIS FL1.1 **6.8** **6.9**


A
B
C
D
L.O.T.
SOUND
SYNC
3
SK2
8204 004 10653
8204 004 10633
8204 004 10643



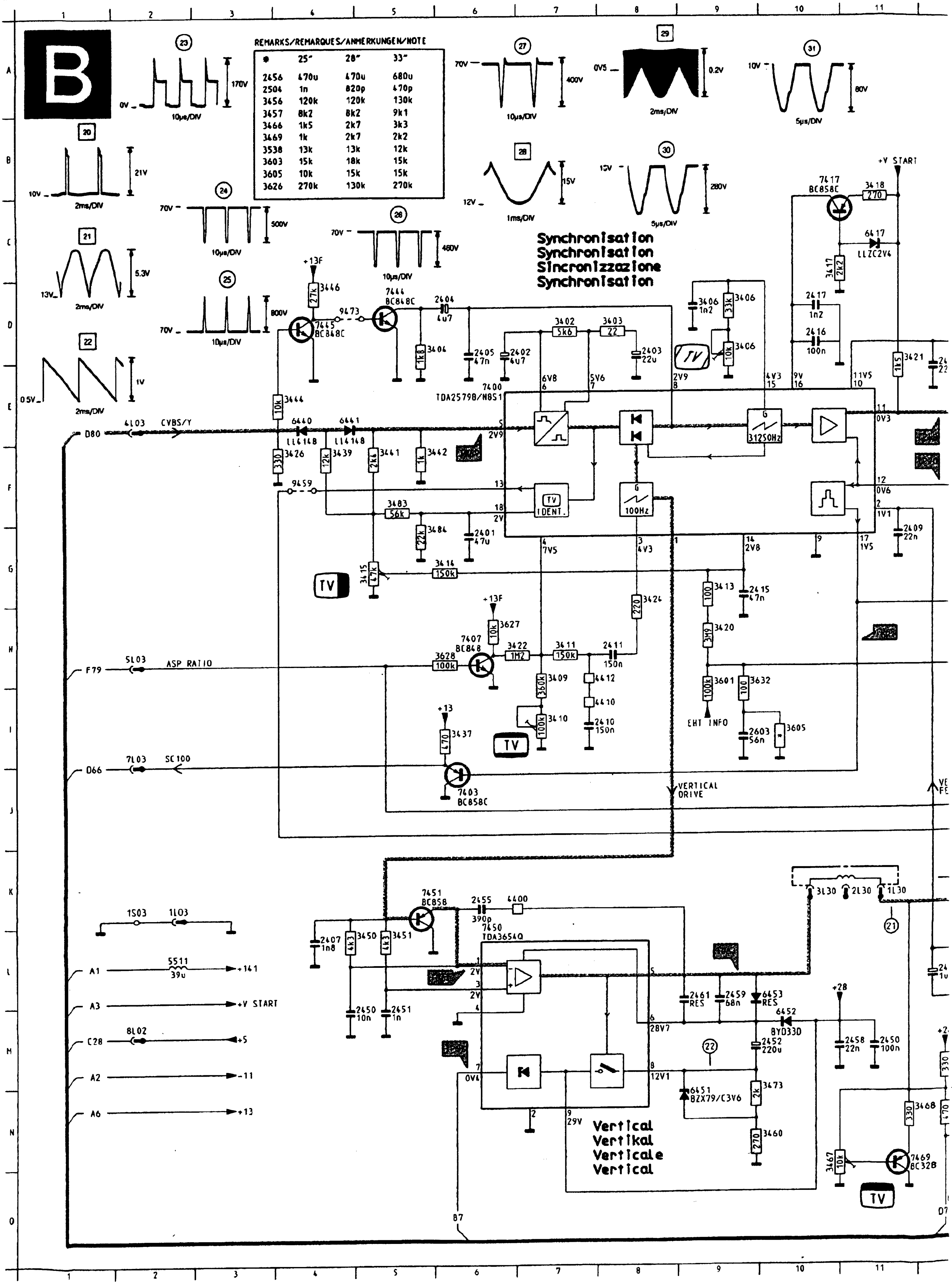
0207	A4
0211	A3
039	H5
040	H4
L01	F1
L02	E1
L03	A1
L13	C4
L27	B3
L28	G1
L30	A1
L31	E2
L33	G2
L34	G2
L35	G3
L36	A2
L37	A3
L38	A2
L39	F3
L40	E3
L41	G1
L61	G2
L62	E5
L65	G2
L67	D3
L68	C3
L69	A2
L70	A3
L71	B2
L80	G4
SK1	G3
SK2	B3
1200	G3
1240	C4
1250	F3
2001	G1
2002	G1
2003	G1
2004	G1
2005	G1
2007	B5
2008	B5
2009	G1
2010	A3
2011	D5
2012	C5
2013	C5
2014	A3
2015	A3
2016	A3
2017	A5
2018	A5
2019	A4
2020	A4
2021	A4
2022	A4
2023	A3
2024	A3
2025	C5
2026	B5
2027	C5
2028	B5
2029	B5
2030	C5
2031	C5
2032	B5
2033	D5
2035	C5
2038	D4
2040	D5
2041	D5
2042	C5
2043	C5
2044	D5
2045	D5
2046	B5
2047	B5
2050	C5
2051	C5
2052	D5
2053	D5
2056	C5
2057	C5
2058	D5
2059	D5
2060	B5
2061	B5
2065	C4
2066	D5
2070	A4
2071	A5
2072	D4
2073	D4
2074	A5
2200	H3
2202	G2
2203	H2
2205	G2
2210	F4
2211	F4
2214	G4
2215	G4
2216	G5
2218	F5
2219	F5
2230	B4
2231	E4
2232	E5
2233	E4
2234	E5
2235	D3
2236	D4
2237	E3
2238	D4
2239	B4
2240	D4
2250	F3
2254	F2
2255	F3
2258	F3
2260	E3
2261	E3
2262	E3
2263	E2
2270	G1
2272	G2
2302	H5
2303	H5
2308	H5
2321	H5
2331	H4
2351	H4
2360	H4
2361	H4
2365	H4
2372	H4
2374	H4
2376	H4
2380	E3
2381	E3
2382	E3
2386	E3
2400	B3
2401	B3
2402	B2
2403	A2
2404	A2
2405	A2
2406	B3
2407	B2
2408	C3
2409	B2
2410	B2
2411	B2
2412	C3
2415	A3
2416	B3
2417	B3
2418	A3
2419	A2
2420	B3
2421	B3
2422	B3
2423	B4
2424	B4
2425	B4
2426	B4
2427	B4
2428	B4
2429	B4
2445	B2
2446	B2
2450	A1
2451	B1
2452	B1
2454	A1
2455	B1
2456	A2
2457	A2
2458	B1
2459	B1
2460	B1
2461	B1
2480	E2
2501	B2
2502	B2
2503	B2
2504	C1
2509	D1
2510	D2
2511	C2
2512	C3
2513	C3
2517	C3
2518	C3
2519	E2
2520	E2
2521	D1
2522	D1
2523	C1
2524	D1
2525	E2
2528	D3
2529	F1
2530	F1
2531	D3
2533	D3
2534	D3
2535	C4
2536	C4
2537	D4
2540	F1
2541	C4
2542	C4
2543	C4
2546	D2
2547	C2
2551	C4
2600	F1
2601	B2
2603	C2
2604	B2
2605	F1
2606	C3
2607	B3
2609	F1
2610	F1
2611	F1
2613	F1
2614	F1
3000	D4
3001	D5
3002	B5
3003	B5
3004	C5
3005	D5
3006	C5
3008	C5
3009	C5
3011	C5
3012	C5
3013	D4
3014	D4
3016	B5
3019	B5
3020	B5
3021	B5
3022	B5
3027	A5
3028	A5
3029	D5
3030	D5
3031	D5
3032	D5
3033	D4
3034	D4
3035	D5
3036	D4
3037	D4
3040	A5
3041	A5
3042	A5
3043	C4
3044	A5
3049	G1
3050	G1
3051	G1
3052	G1
3053	G1
3054	A2
3060	B5
3065	C4
3066	C5
3067	A4
3068	A4
3069	A4
3072	A5
3073	F5
3074	A5
3201	H3
3202	F5
3204	H1
3205	G1
3209	G1
3210	F3
3211	G3
3212	F3
3213	F3
3214	E5
3215	E5
3216	F4
3220	G4
3239	D3
3240	E3
3241	B4
3242	B4
3243	B4
3244	B4
3245	B4
3246	E1
3247	B4
3248	B4
3249	F3
3250	F3
3251	F3
3252	F3
3253	F2
3255	F3
3266	F2
3267	F2
3268	F2
3270	F2
3271	F2
3272	F2
3273	G2
3274	G1
3275	G2
3298	F5
3299	F5
3300	H5
3304	H5
3305	H5
3306	F3
3308	H5
3309	H5
3310	H5
3311	H5
3312	H5
3313	H5
3314	H5
3315	H5
3317	H5
3320	H5
3321	H5
3322	H5
3325	F3
3331	H4
3332	H4
3350	H4
3351	H4
3356	H4
3357	H4
3358	H4
3360	H4
3362	H4
3364	H4
3365	H4
3366	H4
3368	H4
3369	H4
3370	H4
3371	H4
3372	H4
3374	H4
3375	H4
3376	E3
3378	H4
3380	E3
3381	E3
3382	E3
3383	E3
3384	E3
3385	E2
3386	E3
3387	E3
3400	B2
3402	B2
3403	A2
3404	A2
3405	B3
3406	B3
3407	B3
3408	B3
3409	B3
3410	B3
3411	B2
3412	B3
3413	B3
3414	B3
3415	B3
3416	B3
3417	B3
3418	B3
3419	B4
3420	B3
3421	B3
3422	B3
3424	B2
3426	A2
3427	B3
3428	C3
3429	B3
3430	B1
3431	B4
3432	B4
3433	B4
3434	B4
3435	B4
3436	B4
3437	A1
3438	B3
3439	B3
3440	B4
3441	B3
3442	B3
3444	B2
3445	B2
3446	B2
3447	B2
3450	A1
3451	A1
3452	B1
3454	B1
3455	A1
3456	A2
3457	A2
3458	A1
3459	A1
3460	B1
3461	A1
3462	A1
3463	A1
3464	A1
3465	A2
3466	A1
3467	B2
3468	A2
3469	A1
3470	A1
3473	B1
3474	A2
3479	F2
3480	B1
3481	F2
3482	F2
3483	B3
3484	B3
3485	E2
3490	B3
3500	B2
3502	B1
3503	B2
3504	D1
3505	D1
3506	C1
3507	D1
3508	C2
3509	C2
3510	D1
3511	C2
3512	C3
3513	C3
3514	F2
3515	C2
3516	C2
3517	C2
3518	E2
3519	E2
3520	E2
3521	E2
3522	E2
3523	E2
3524	D1
3526	C1
3527	F1
3528	D3
3529	F1
3530	F2
3532	C3
3533	C3
3534	D3
3535	D3
3536	D3
3537	F2
3538	D3
3540	C4
3541	C4
3542	C4
3543	C4
3544	C4
3545	E2
3546	C4
3547	C2
3548	D2
3549	D2
3550	C4
3551	D3
3552	C4
3601	C2
3602	B2
3603	B2
3604	B2
3605	C3
3606	B2
3607	B2
3608	F1
3609	F1
3610	F1
3611	F1
3612	E1
3614	F1
3615	F1
3616	F1
3617	F1
3618	B2
3619	F1
3620	F1
3621	E1
3622	E1
3623	E1
3624	E1
3625	E1
3626	B2
3627	A1
3628	A1
3629	B2
3630	A2
3631	A2
3632	C3
4000	A5
4001	D5
4002	B5
4004	C5
4005	C5
4006	D5
4007	C5
4019	E3
4200	E3
4400	B1
4402	C4
4404	A1
4405	A1
4410	B2
4411	B2
4412	B2
4413	B3
4415	E2
4416	B2
4417	B3
4420	A2
4508	B2
4530	D2
4531	D2
4533	C2
4534	C3
4541	D3
4552	D4
4552	D4
5202	H2
5204	H2
5205	H2
5230	F4
5231	E5
5233	E4
5235	E4
5237	E3
5241	C4
5255	F3
5260	E3
5262	E3
5308	H5
5310	H5
5381	E3
5503	B1
5504	C1
5506	C1
5510	D1
5511	D3
5514	F2
5520	E2
5521	E1
5524	D1
5526	E1
5527	C2
5534	D3
5536	D3
5543	D4
5548	D1
5555	D3
6000	A5
6001	A5
6002	A5
6008	A3
6010	A5
6011	D5
6012	D5
6016	B5
6021	D4
6201	F3
6210	G3
6211	F3
6212	F4
6213	F4
6216	F5
6220	G4
6221	G5
6230	E4
6231	E4
6232	E4
6233	E4
6235	D3
6237	E3
6238	E3
6246	B4
6251	F3
6260	E3
6262	E3
6266	F2
6272	G2
6280	C4
6302	H5
6303	H5
6304	H5
6306	F3
6308	H5
6312	H5
6315	H5
6318	H5
6319	H5
6321	F3
6331	H4
6349	H4
6350	H4
6351	H4
6352	E3
6353	E3
6355	H4
6356	H4
6357	H4
6370	H4
6371	H4
6372	E3
6373	E3
6375	E3
6376	E3
6402	B3
6403	C3
6404	C3
6417	B3
6440	B3
6441	B3
6451	B1
6452	B1
6453	B1
6465	A1
6466	A1
6480	F1
6481	F1
6504	D1
6506	C1
6515	C3
6516	C2
6517	C3
6519	E2
6520	E2
6522	C1
6525	D1
6526	C1
6527	C1
6529	F1
6534	D3
6535	D3
6536	C3
6537	C3
6542	C3
6546	C2
6547	D3
6551	D4
6552	C4
6553	D4
6601	E1
6629	B2
7000	C5
7001	D5
7002	C5
7003	A5
7004	A5
7005	D5
7006	D5
7007	D5
7008	D5
7009	G1
7010	A5
7011	B5
7012	D4
7013	A5
7201	F3
7216	G5
7241	B4
7242	B4
7243	B4
7246	E1
7250	F3
7251	F3
7268	F2
7270	F2
7272	G1
7273	G2
7305	H5
7311	H5
7312	H5
7318	H5
7320	H4
7321	F3
7360	H4
7369	H4
7370	H4
7371	H4
7380	E3
7381	E3
7384	E3
7385	E3
7400	B3
7401	B4
7402	C3
7403	A1
7407	B3
7417	B3
7444	A2
7445	B2
7446	B2
7450	A1
7451	A1
7469	B2
7480	F2
7481	E2
7501	B2
7504	D1
7506	D1
7512	C3
7513	C3
7530	F1
7540	C4
7541	C4
7542	C4
7543	D2
7550	D3
7601	F1
7602	F1
7603	F1
7608	F1
7610	E1
7616	A1
7618	A2
9000	A4
9001	C5
9003	A4
9004	A4
9006	A3
9007	A4
9008	B5
9010	C5
9012	A4
9013	A4
9015	B4
9017	B5
9019	E3
9020	D5
9021	A4
9022	A3
9023	A4
9024	A4
9025	A5
9026	A4
9027	A5
9028	A5
9029	B5
9030	B4
9031	C4
9032	C5
9033	C5
9034	C5
9035	A4
9036	A4
9037	B3
9038	B3
9039	B3
9041	C4
9042	C4
9043	D5
9044	A5
9045	D4
9046	D4
9047	E5
9048	D4
9050	A4
9051	D4
9052	D4
9053	D5
9054	D4
9055	A4
9056	A3
9057	C5
9058	G2
9059	G1
9060	G1
9064	B5
9065	B4
9066	B5
9067	A3
9068	G3
9200	E5
9201	F5
9202	D3
9203	D4
9204	G2
9205	H1
9206	H1
9207	H2
9208	H2
9216	G2
9217	G2
9218	H1
9219	E3
9220	G4
9221	G3
9222	F3
9223	F4
9224	F5
9225	E3
9228	E4
9229	E5
9230	F3
9231	E5
9232	E4
9233	F2
9234	F1
9235	E4
9236	F1
9237	F1
9238	G3
9240	B4
9241	E3
9242	G2
9243	E3
9246	E1
9250	F2
9251	F2
9290	C4
9300	H5
9302	H4
9385	E2
9400	D3
9401	C4
9405	A1
9450	B1
9451	A1
9453	B2
9454	B2
9455	B2
9456	B2
9457	A1
9459	B3
9460	B2
9461	B4
9462	C4
9464	C4
9468	B3
9471	B2
9472	A2
9473	B2
9500	D2
9501	D2
9502	D2
9503	D2
9504	E1
9505	C1
9506	D1
9507	C2
9508	B2
9509	C1
9510	D2
9511	C2
9512	D2
9521	E1
9522	E1
9524	D1
9529	D3
9530	B2
9533	C2
9534	C2
9535	C3
9537	C3
9538	D3
9539	D3
9540	D4
9541	D2
9542	C2
9543	C2
9544	D1
9545	D1
9547	D1
9548	D1
9549	E1
9550	C1
9551	C1
9552	F1
9554	D1
9555	E2
9556	D1
9557	E2
9601	E1
9614	E2
9615	B2

Synchronization

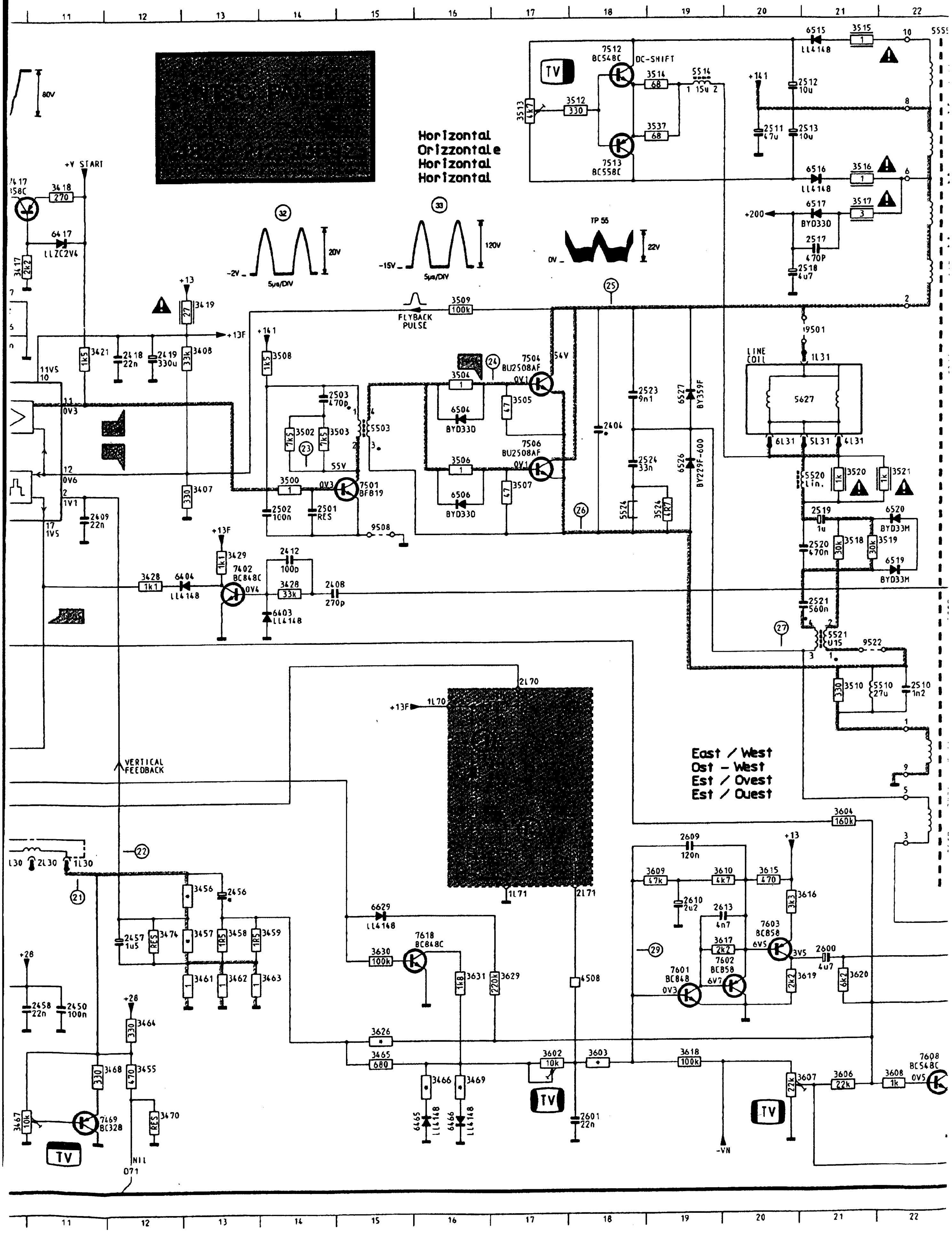
Synchronisierung

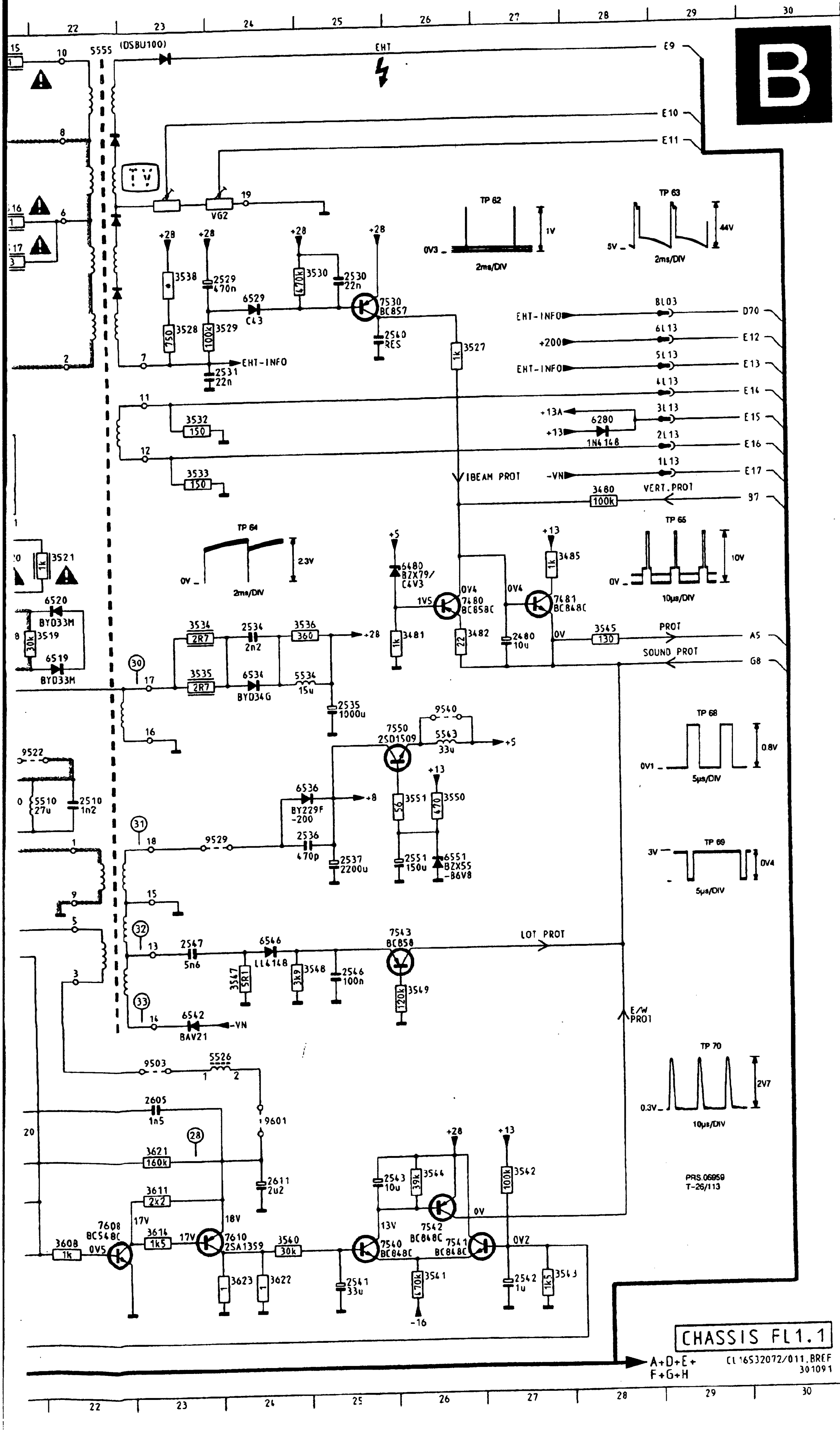
REMARKS/REMARQUES/ANMERKUNGEN/NOTE

*	25"	28"	33"
2456	470u	470u	680u
2504	1n	820p	470p
3456	120k	120k	130k
3457	8k2	8k2	9k1
3466	1k5	2k7	3k3
3469	1k	2k7	2k2
3538	13k	13k	12k
3603	15k	18k	15k
3605	10k	15k	15k
3626	270k	130k	270k


B
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
Vertical
Vertikal
Verticale
Vertical
20 10V 2ms/DIV 21V
21 13V 2ms/DIV 5.3V
22 0.5V 2ms/DIV 1V
23 0V 10µs/DIV 170V
24 70V 10µs/DIV 500V
25 70V 10µs/DIV 800V
26 70V 10µs/DIV 460V
27 70V 10µs/DIV 400V
28 12V 1ms/DIV 15V
29 0V5 2ms/DIV 0.2V
30 15V 5µs/DIV 280V
31 10V 5µs/DIV 80V
D80 4L03 CVBS/Y
F79 5L03 ASP RATIO
D66 7L03 SC100
1S03 1L03
A1 5511 39u +141
A3 +V START
C28 8L02 +5
A2 -11
A6 +13
7400 TDA2579B/N8S1
31250Hz
100Hz
TV IDENT.
7450 TDA3654Q
7444 BC848C
7445 BC848C
7407 BC848
7403 BC858C
7451 BC858
7417 BC858C
7469 BC328
6440 LL4148
6441 LL4148
6417 LLZC2V4
6451 BZX79/C3V6
6452 BYD33D
6453 RES
+13F
+13
+28
+V START
EHT INFO
VERTICAL DRIVE
3L30 2L30 1L30
TV
B7
D7

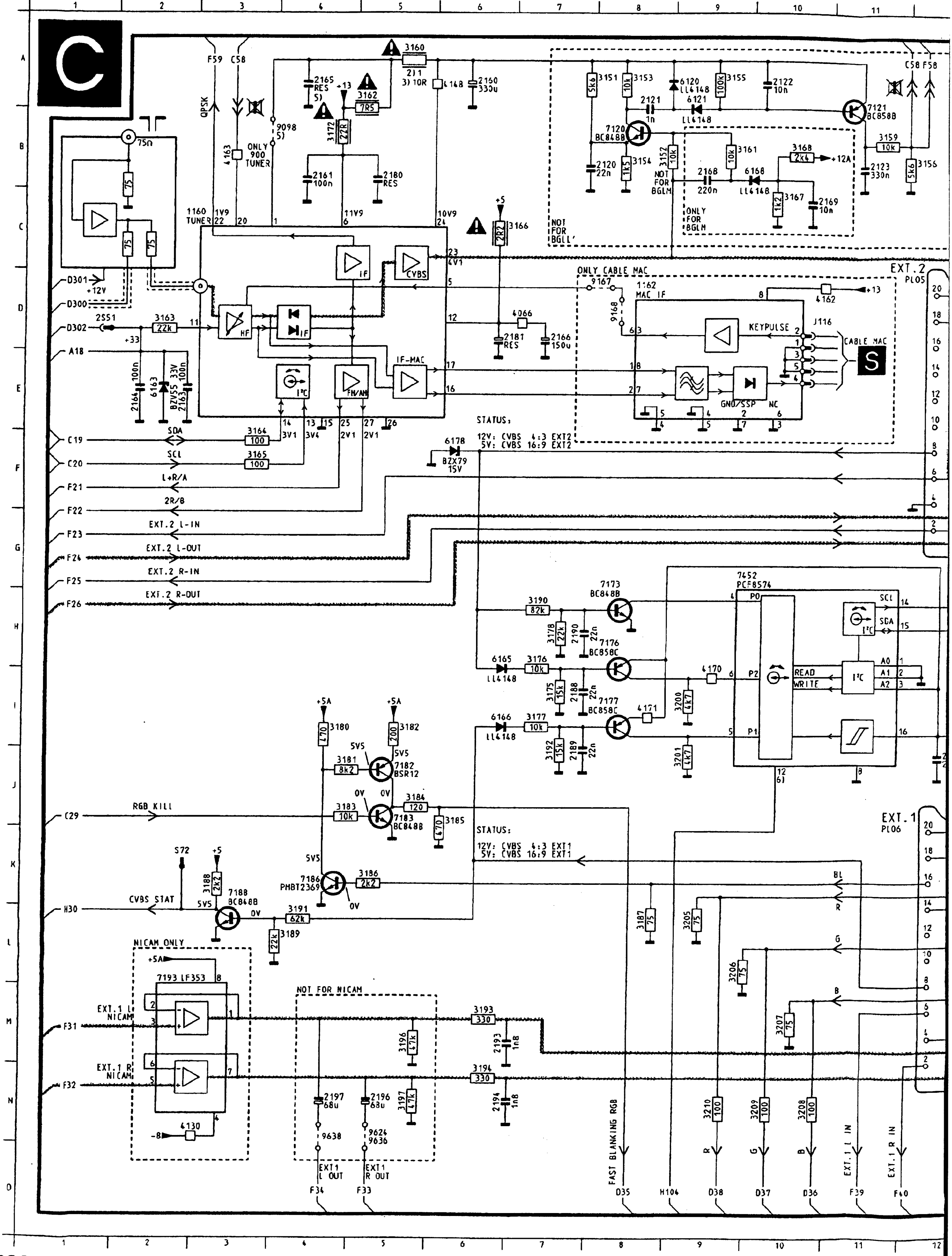
Synchronisation


Horizontal
Orizzontale
Horizontal
Horizontal
East / West
Ost - West
Est / Ovest
Est / Ouest
FLYBACK PULSE
VERTICAL FEEDBACK
LINE COIL
DC-SHIFT
TP 55
5µs/DIV
20V
120V
22V
80V
-2V
-15V
0V
+V START
+13
+13F
+141
+200
+28
-VN
7504 BU2508AF
7506 BU2508AF
7501 BF819
7512 BC548C
7513 BC558C
7402 BC848C
7618 BC848C
7603 BC858
7602 BC858
7601 BC848
7608 BC548C
7469 BC328
6527 BY359F
6526 BY229F-600
6517 BYD330
6520 BYD33M
6519 BYD33M
6504 BYD330
6506 BYD330
6515 LL4148
6516 LL4148
6404 LL4148
6403 LL4148
6629 LL4148
6465 LL4148
6466 LL4148
6417 LLZC2V4
5503
5514 15u
5520 Lin.
5521 U15
5510 27u
5627
5524
3509 100k
3504 1
3506 1
3505 47
3507 47
3500 1
3502 7k5
3503 7k5
3508 1k5
3512 330
3513 4k7
3514 68
3537 68
3515 1
3516 1
3517 3
3518 30k
3519 30k
3520 1k
3521 1k
3524 4R7
3510 330
3418 270
3417 2k2
3419 27
3421 1k5
3408 33k
3407 330
3428 1k1
3429 1k1
3428 33k
3604 160k
3609 47k
3610 4k7
3615 470
3616 3k3
3617 2k2
3619 2k2
3620 6k2
3618 100k
3602 10k
3603
3607 22k
3606 22k
3608 1k
3626
3465 680
3630 100k
3631 1k8
3629 220k
3466
3469
3456
3457
3458 1R5
3459 1R5
3474 RES
3461 1
3462 1
3463 1
3464 330
3468 330
3455 470
3467 10k
3470 RES
2503 470p
2502 100n
2501 RES
2523 9n1
2524 33n
2404
2512 10u
2511 47u
2513 10u
2517 470P
2518 4u7
2519 1u
2520 470n
2521 560n
2510 1n2
2418 22n
2419 330u
2409 22n
2412 100p
2408 270p
2609 120n
2610 2u2
2613 4n7
2600 4u7
2601 22n
2457 1u5
2456
2458 22n
2450 100n
9508
9522
9501
1L31
6L31
5L31
4L31
2L70
1L70
2L71
1L71
4508
2L30
1L30
NIL
071
11VS
0V3
0V6
1V1
1VS
55V
54V
0V1
0V4
6V5
3V5
6V7
TV
(21) (22) (23) (24) (25) (26) (27) (29) (32) (33)
11 12 13 14 15 16 17 18 19 20 21 22

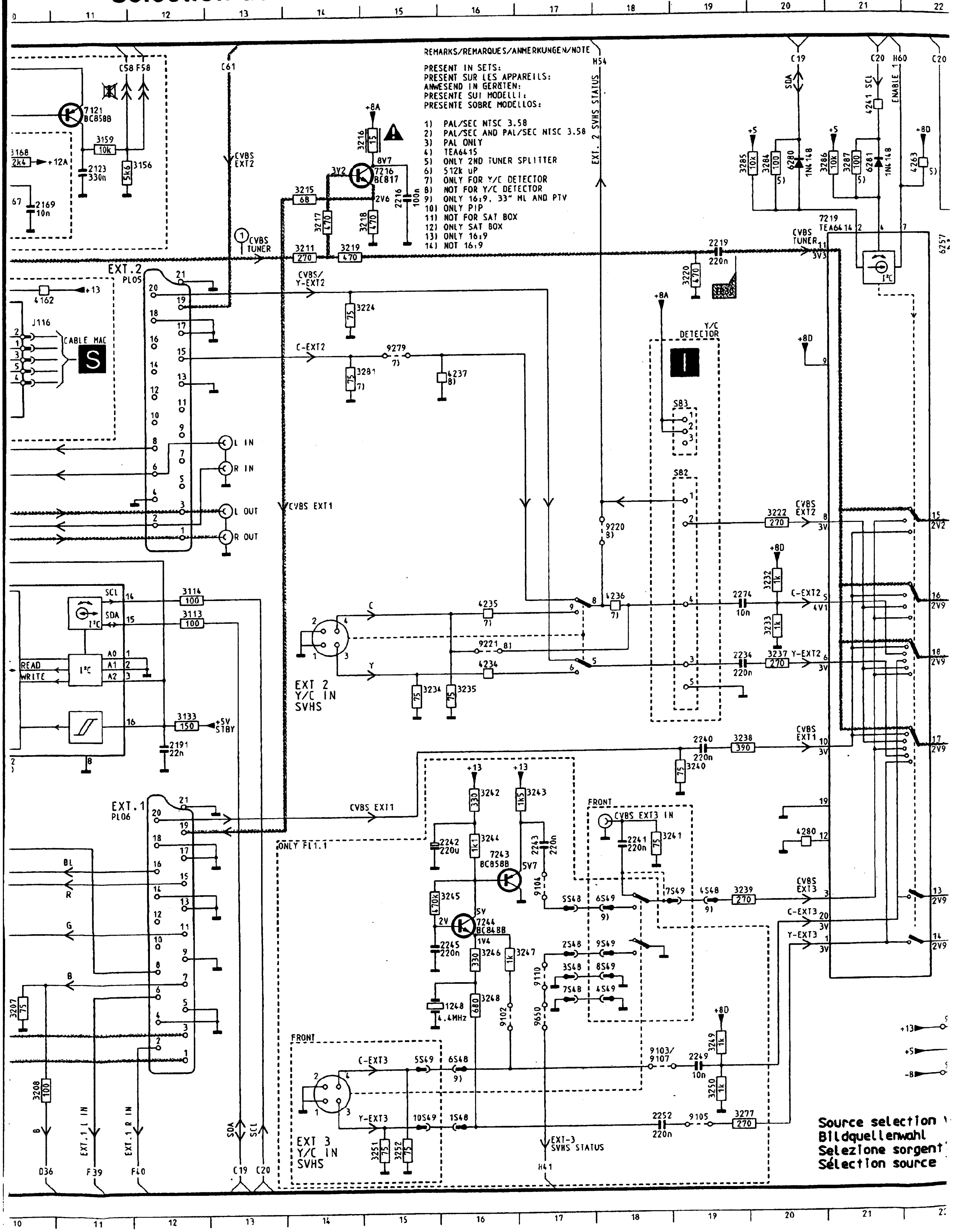

B
22
23
24
25
26
27
28
29
30
5555
(DSBU100)
EHT
E9
E10
E11
TV
VG2
19
7
EHT-INFO
TP 62
1V
0V3
2ms/DIV
TP 63
44V
5V
2ms/DIV
+28
3538
3528
750
2529
470n
3529
100k
2531
22n
6529
C43
3530
470k
2530
22n
7530
BC857
2540
RES
3527
1k
EHT-INFO
+200
EHT-INFO
8L03
6L13
5L13
4L13
3L13
2L13
1L13
D70
E12
E13
E14
E15
E16
E17
+13A
+13
6280
1N4148
-VN
11
12
3532
150
3533
150
IBEAM PROT
3480
100k
VERT.PROT
97
TP 64
2.3V
0V
2ms/DIV
+5
6480
BZX79/
C4V3
1V5
0V4
7480
BC858C
0V4
7481
BC848C
+13
3485
1k
TP 65
10V
0V
10µs/DIV
3481
1k
3482
22
2480
10u
0V
3545
130
PROT
A5
SOUND PROT
G8
3521
1k
6520
BYD33M
3519
30k
6519
BYD33M
30
17
3534
2R7
2534
2n2
3536
360
+28
3535
2R7
6534
BYD34G
5534
15u
2535
1000u
16
9540
7550
2SD1509
5543
33u
+5
TP 68
0.8V
0V1
5µs/DIV
9522
5510
27u
2510
1n2
6536
BY229F
-200
+8
+13
3551
56
3550
470
31
18
9529
2536
470p
2537
2200u
2551
150u
6551
BZX55
-B6V8
TP 69
3V
0V4
5µs/DIV
1
9
15
5
32
13
2547
5n6
6546
LL4148
3547
5R1
3548
3k9
2546
100n
7543
BC858
3549
120k
LOT PROT
3
33
14
6542
BAV21
-VN
E/W
PROT
TP 70
2V7
0.3V
10µs/DIV
9503
5526
1
2
2605
1n5
9601
20
28
3621
160k
2611
2u2
+28
+13
2543
10u
3544
39k
3542
100k
PRS.06959
T-26/113
3611
2x2
7608
BC548C
0V5
3608
1k
17V
3614
1k5
17V
7610
2SA1359
18V
3540
30k
13V
7540
BC848C
7542
BC848C
0V
7541
BC848C
0V2
3623
3622
2541
33u
3541
470k
-16
2542
1u
3543
1k5
CHASSIS FL1.1
A+D+E+
F+G+H
CL 16532072/011.BREF
301091

2401	G 6	3480	F28	6526	F19
2402	D 6	3481	G26	6527	E19
2403	D 8	3482	G26	6529	C24
2404	D 6	3483	F 5	6534	H24
2404	F18	3484	G 5	6536	I25
2405	D 6	3485	F27	6542	K23
2407	L 4	3500	F14	6546	K24
2408	H14	3502	F14	6551	J26
2409	G11	3503	F14	6629	L15
2410	I 7	3504	E16	6650	J16
2411	H 8	3505	E17	7400	E 6
2412	G14	3506	F16	7402	G13
2415	G 9	3507	F17	7403	J 6
2416	D10	3508	E14	7407	H 6
2417	D10	3509	C16	7417	B10
2418	E12	3510	I21	7444	D 5
2419	E12	3512	A18	7445	D 4
2450	M11	3513	B17	7450	L 6
2450	M 5	3514	A19	7451	K 5
2451	M 5	3515	A21	7469	N11
2452	M10	3516	B21	7480	G26
2455	K 6	3517	C21	7481	G27
2456	L13	3518	G21	7501	F15
2457	L12	3519	G21	7504	E17
2458	M11	3520	F21	7506	F17
2459	L 9	3521	F22	7512	A18
2461	L 9	3524	G19	7513	B18
2480	G27	3527	D26	7530	C25
2501	G14	3528	D23	7540	N25
2502	G14	3529	D24	7541	N26
2503	E14	3530	C25	7542	N26
2510	I22	3532	E23	7543	K26
2511	B20	3533	E23	7550	H26
2512	A20	3534	G23	7601	M19
2513	B20	3535	H23	7602	M20
2517	C21	3536	G25	7603	L20
2518	D20	3537	B19	7608	N22
2519	G21	3538	C23	7610	N24
2520	G21	3540	N24	7618	L16
2521	H21	3541	N26	7650	J16
2523	E18	3542	M27	7651	J17
2524	F18	3543	N27	9459	F 4
2529	C24	3544	M26	9473	D 4
2530	C25	3545	G28	9501	D21
2531	D24	3547	K24	9503	L23
2534	G24	3548	K24	9508	G15
2535	H25	3549	K26	9522	H21
2536	I25	3550	I26	9529	I23
2537	J25	3551	I26	9540	H26
2540	D25	3601	H 9	9601	M24
2541	N25	3602	N17		
2542	N27	3603	N18		
2543	M25	3604	K21		
2546	K25	3605	I10		
2547	K23	3606	N21		
2551	J26	3607	N20		
2600	L21	3608	N22		
2601	N18	3609	K19		
2603	I 9	3610	K20		
2605	L23	3611	M23		
2609	K19	3614	N23		
2610	L19	3615	K20		
2611	M24	3616	L20		
2613	L20	3617	L20		
2653	K17	3618	N19		
3402	O 7	3619	M20		
3403	O 8	3620	M21		
3404	D 5	3621	M23		
3406	D 9	3622	N24		
3406	D 9	3623	N24		
3406	D 9	3626	M15		
3407	F13	3627	H 6		
3408	D13	3628	H 6		
3409	H 7	3629	M17		
3410	I 7	3630	L15		
3411	H 7	3631	M16		
3413	G 9	3632	H 9		
3414	G 6	3650	I17		
3415	G 5	3651	J16		
3417	C10	3652	K18		
3418	B11	3653	K16		
3419	D13	4400	K 7		
3420	H 9	4410	I 7		
3421	D11	4412	H 7		
3422	H 7	4508	M18		
3424	G 8	5503	F15		
3426	F 4	5510	I21		
3428	G12	5511	L 2		
3428	H14	5514	A19		
3429	G13	5520	F21		
3437	I 6	5521	H21		
3439	F 4	5524	G18		
3441	F 5	5526	L23		
3442	F 5	5534	H25		
3444	E 4	5543	H26		
3446	D 4	5555	A22		
3450	L 5	5627	E21		
3451	L 5	6280	E28		
3455	N12	6403	H14		
3456	K13	6404	G13		
3457	L13	6417	C11		
3458	L13	6440	E 4		
3459	L14	6441	E 4		
3460	N10	6451	N 9		
3461	M13	6452	M10		
3462	M13	6453	L10		
3463	M14	6465	N16		
3464	M12	6466	N16		
3465	N15	6480	F26		
3466	N16	6504	E16		
3467	N10	6506	F16		
3468	N11	6515	A21		
3469	N16	6516	B21		
3470	N12	6517	C21		
3473	M10	6519	G22		
3474	L12	6520	G22		

6.13 CHASSIS FL1.1 Source selection / Quellenwahl / Séle


C
S
F59
C58
QPSK
3160
2)1
3) 10R
4148
2160
330u
2165
RES
5)
+13
3162
7R5
3172
22R
9098
5)
4163
ONLY
900
TUNER
2161
100n
2180
RES
1160
TUNER
1V9
22
20
1
11V9
6
10V9
24
23
4V1
5
12
17
16
IF
CVBS
HF
IF-MAC
FM/AM
I²C
14
3V1
13
3V4
15
25
2V1
27
2V1
26
75Ω
75
D301
+12V
D300
D302
2551
3163
22k
11
+33
A18
2164
100n
6163
BZV55
33V
2163
100n
C19
SDA
3164
100
C20
SCL
3165
100
F21
L+R/A
F22
2R/B
F23
EXT.2 L-IN
F24
EXT.2 L-OUT
F25
EXT.2 R-IN
F26
EXT.2 R-OUT
+5
2R2
3166
4066
2181
RES
2166
150u
STATUS:
12V: CVBS 4:3 EXT2
5V: CVBS 16:9 EXT2
6178
BZX79
15V
3151
5k6
3153
10k
6120
LL4148
100k
3155
2122
10n
2121
1n
6121
LL4148
7121
BC858B
7120
BC848B
2120
22n
3154
1k5
3152
10k
NOT
FOR
BGLM
3161
10k
3168
2k4
+12A
2168
220n
6168
LL4148
3167
1k2
2169
10n
ONLY
FOR
BGLM
NOT
FOR
BGLL'
2123
330n
3159
10k
3156
5k6
C58
F58
ONLY CABLE MAC
9167
1162
MAC IF
9168
8
4162
+13
KEYPULSE
J116
CABLE MAC
GND/SSP
NC
EXT.2
PL05
20
18
16
14
12
10
8
6
4
2
7173
BC848B
3190
82k
3178
22k
2190
22n
7176
BC858C
6165
LL4148
3176
10k
3175
15k
2188
22n
7177
BC858C
6166
LL4148
3177
10k
3192
15k
2189
22n
4171
4170
3200
4k7
3201
4k7
7452
PCF8574
P0
P2
P1
SCL
SDA
READ
WRITE
A0
A1
A2
14
15
16
12
6)
+5A
3180
470
3182
200
5V5
3181
8k2
7182
BSR12
0V
3184
120
3183
10k
7183
BC848B
3185
470
C29
RGB KILL
STATUS:
12V: CVBS 4:3 EXT1
5V: CVBS 16:9 EXT1
S72
3188
2k2
7188
BC848B
H30
CVBS STAT
7186
PHBT2369
3186
2k2
3191
62k
3189
22k
EXT.1
PL06
BL
R
G
B
3187
75
3205
75
3206
75
3207
75
NICAM ONLY
+5A
7193 LF353
EXT.1 L
NICAM
F31
EXT.1 R
NICAM
F32
4130
-8
NOT FOR NICAM
3196
47k
3197
47k
2197
68u
2196
68u
9638
9624
9636
EXT1
L OUT
EXT1
R OUT
F34
F33
3193
330
2193
1n8
3194
330
2194
1n8
3210
100
3209
100
3208
100
FAST BLANKING RGB
D35
H104
D38
D37
D36
EXT.1 L IN
F39
EXT.1 R IN
F40
1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

Sélection de source

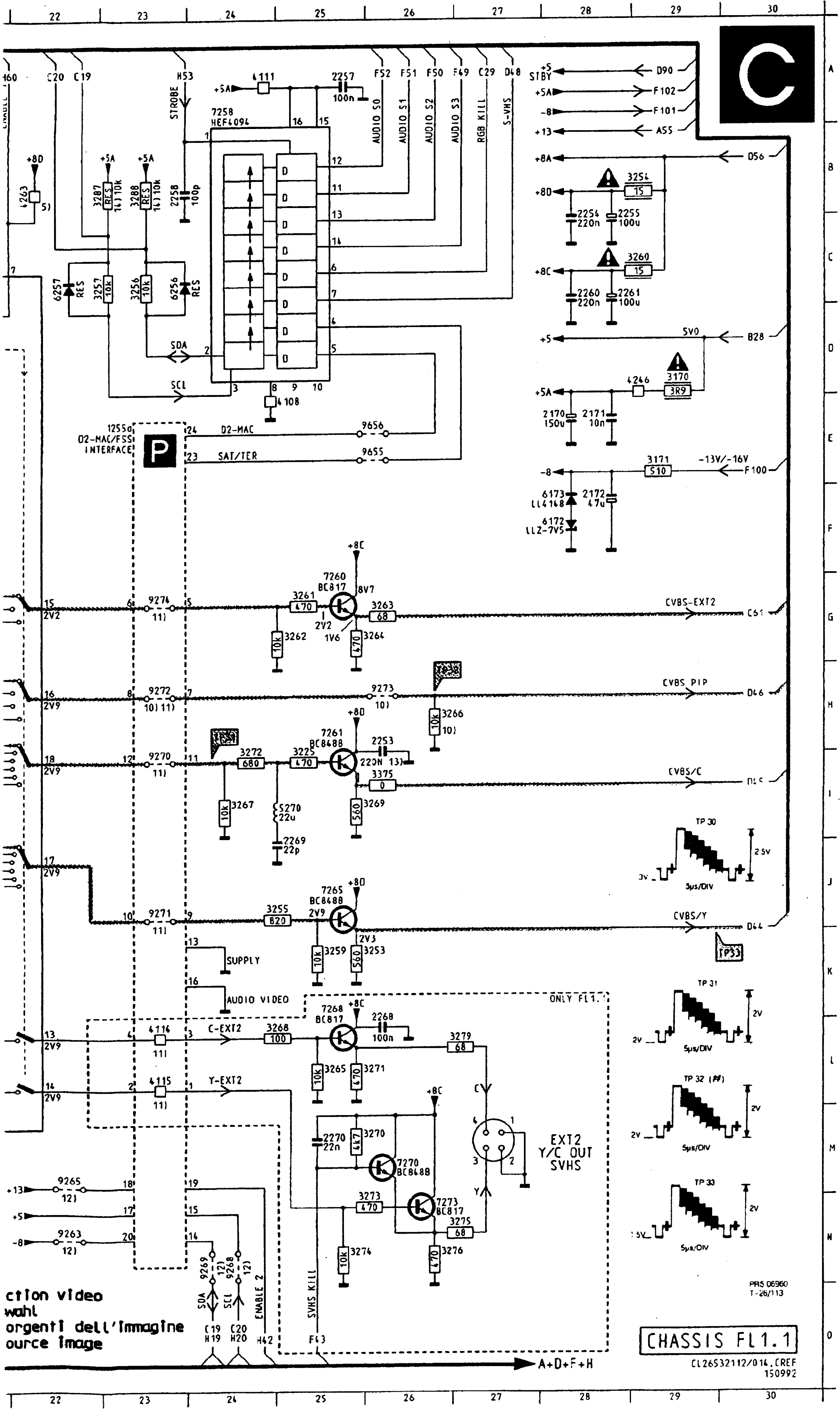

10
11
12
13
14
15
16
17
18
19
20
21
22
C58 F58
C61
C19
C20
H60
C20
H54
7121
BC858B
3159
10k
3168
2k4
+12A
2123
330n
3156
5k6
2169
10n
CVBS EXT2
+8A
3216
15
8V7
3V2
7216
BC817
2V6
2216
100n
3215
68
3217
470
3218
470
CVBS TUNER
3211
270
3219
470
EXT. 2 SVHS STATUS
SDA
SCL
ENABLE 1
4241
+5
3285
10k
3284
100
6280
1N4148
3286
10k
3287
100
6281
1N4148
+8D
4263
5)
7219
TEA6414
CVBS TUNER
3V3
2219
220n
3220
470
EXT.2
PL05
4162
+13
J116
CABLE MAC
S
CVBS/ Y-EXT2
3224
75
C-EXT2
9279
7)
3281
75
4237
8)
+8A
Y/C DETECTOR
I
S83
S82
+8D
L IN
R IN
L OUT
R OUT
CVBS EXT1
9220
8)
CVBS EXT2
3222
270
3V
2V2
+8D
3232
1k
C-EXT2
4V1
2V9
2274
10n
3233
1k
4236
7)
4235
7)
9221
8)
4234
C
Y
EXT 2 Y/C IN SVHS
3234
75
3235
75
2234
220n
3237
270
Y-EXT2
SCL
SDA
I²C
3114
100
3113
100
READ
WRITE
A0
A1
A2
3133
150
+5V STBY
2191
22n
2240
220n
3238
390
CVBS EXT1
3240
75
EXT.1
PL06
CVBS EXT1
ONLY FL1.1
+13
3242
330
3243
1k5
2242
220u
3244
1k1
7243
BC858B
5V7
2243
220n
9104
FRONT
CVBS EXT3 IN
2241
220n
3241
75
5S48
6S49
9)
7S49
4S48
9)
3239
270
CVBS EXT3
C-EXT3
Y-EXT3
3245
470k
5V
2V
7244
BC848B
1V4
2245
220n
3246
330
3247
1k
2S48
9S49
3S48
8S49
7S48
4S49
9110
9650
9102
1248
4.4MHz
3248
680
19
4280
12
BL
R
G
B
3207
75
3208
100
B
EXT.1 L IN
EXT.1 R IN
SDA
SCL
D36
F39
F40
C19
C20
FRONT
C-EXT3
5S49
6S48
9)
EXT 3 Y/C IN SVHS
Y-EXT3
10S49
1S48
3251
75
3252
75
+8D
3249
1k
9103/ 9107
2249
10n
3250
1k
2252
220n
9105
3277
270
EXT-3 SVHS STATUS
H41
+13
+5
-8
13
2V9
14
2V9
15
16
17
18

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL/SEC NTSC 3.58
2) PAL/SEC AND PAL/SEC NTSC 3.58
3) PAL ONLY
4) TEA6415
5) ONLY 2ND TUNER SPLITTER
6) 512k uP
7) ONLY FOR Y/C DETECTOR
8) NOT FOR Y/C DETECTOR
9) ONLY 16:9, 33" ML AND PTV
10) ONLY PIP
11) NOT FOR SAT BOX
12) ONLY SAT BOX
13) ONLY 16:9
14) NOT 16:9

Source selection
Bildquellenwahl
Selezione sorgent
Sélection source



22
23
24
25
26
27
28
29
30
C
P
7258
HEF4094
STROBE
H53
+5A
4111
2257
100n
F52
F51
F50
F49
C29
D48
AUDIO S0
AUDIO S1
AUDIO S2
AUDIO S3
RGB KILL
S-VHS
C20
C19
+8D
4263
+5A
3287
RES
10k
3288
RES
10k
2258
100p
6257
RES
3257
10k
3256
10k
6256
RES
SDA
SCL
4108
1255a
D2-MAC/FSS
INTERFACE
D2-MAC
9656
SAT/TER
9655
STBY
+5
+5A
-8
+13
D90
F102
F101
A55
+8A
D56
+8D
3254
15
2254
220n
2255
100u
+8C
3260
15
2260
220n
2261
100u
+5
5V0
B28
+5A
4246
3170
3R9
2170
150u
2171
10n
3171
510
-13V/-16V
F100
-8
6173
LL4148
2172
47u
6172
LLZ-7V5
+8C
7260
BC817
8V7
9274
3261
470
3263
68
CVBS-EXT2
C51
2V2
1V6
3262
10k
3264
470
9272
9273
CVBS PIP
D46
3266
10k
+8D
7261
BC848B
2253
220N
9270
3272
680
3225
470
3375
0
CVBS/C
3267
10k
5270
22u
2269
22p
3269
560
TP 30
2.5V
3V
5µs/DIV
7265
BC848B
+8D
9271
3255
820
2V9
2V3
CVBS/Y
D44
TP33
3259
10k
3253
560
SUPPLY
AUDIO VIDEO
ONLY FL1.1
7268
BC817
+8C
2268
100n
4114
C-EXT2
3268
100
3279
68
TP 31
2V
4115
Y-EXT2
3265
10k
3271
470
+8C
TP 32
2270
22n
3270
4K7
7270
BC848B
EXT2
Y/C OUT
SVHS
3273
470
7273
BC817
3275
68
TP 30
1.5V
3274
10k
3276
470
+13
9265
+5
-8
9263
SDA
SCL
9269
9268
ENABLE 2
SVHS KILL
C19
H19
C20
H20
H42
F43
A+D+F+H

ction video
wahl
orgenti dell'immagine
ource image

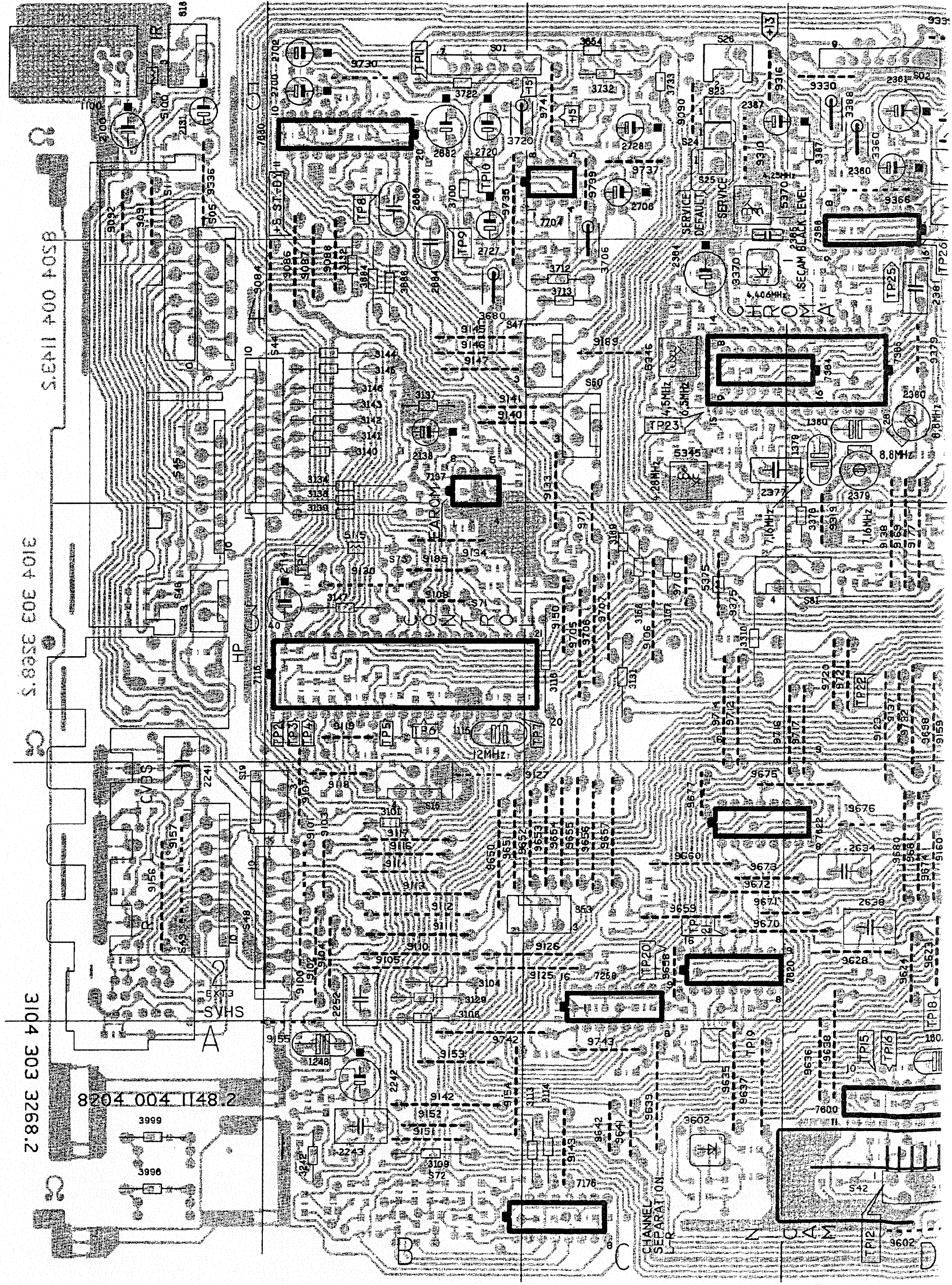
PRS 06960
T-26/113

CHASSIS FL1.1

CL26532112/014.CREF
150992

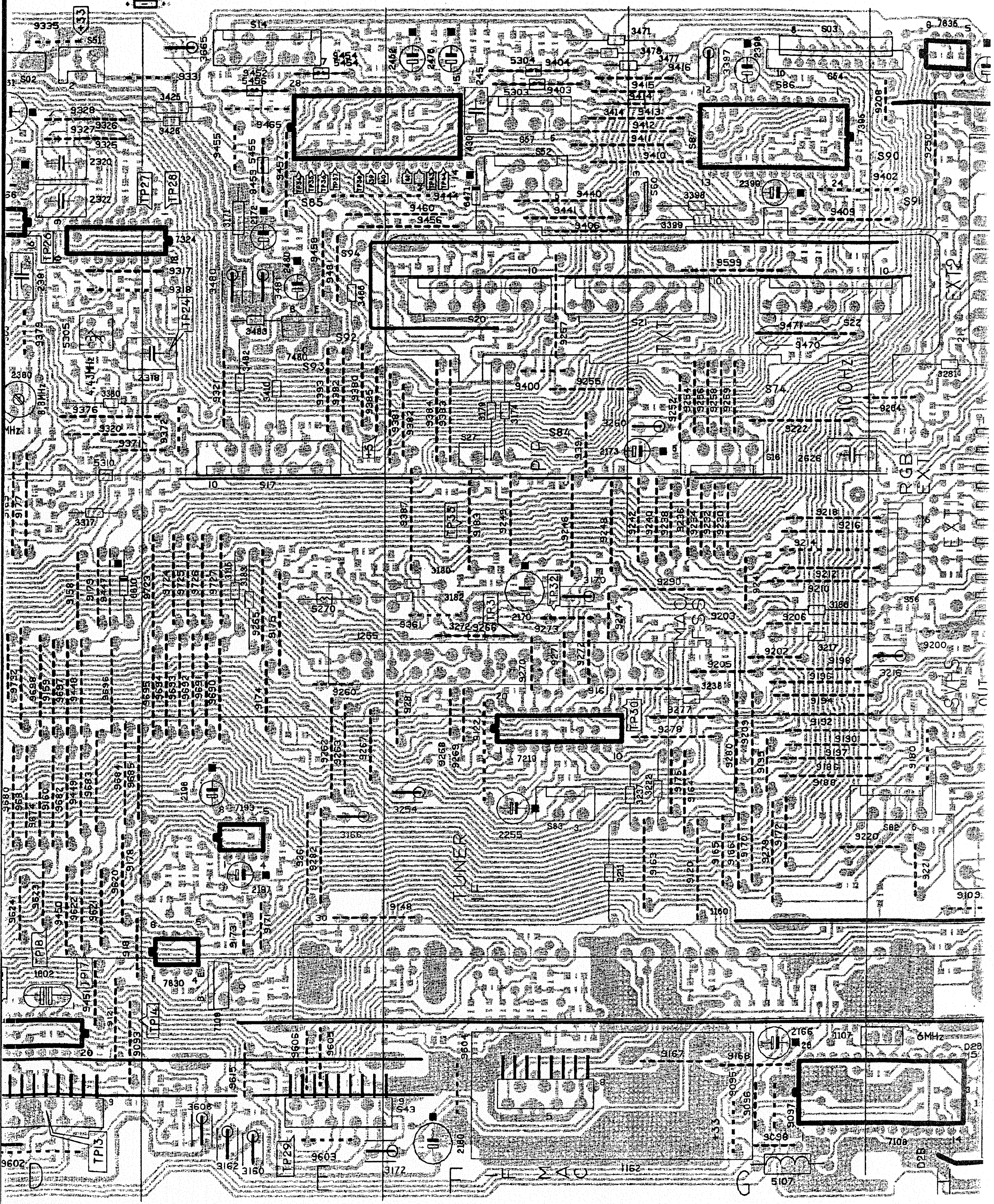
1160	C 2	3238	J19	9269	N24
1162	D 8	3239	L19	9270	I23
1248	M16	3240	J19	9271	J23
1255	E23	3241	K18	9272	H23
2120	B 7	3242	J16	9273	H26
2121	A 8	3243	J17	9274	G23
2122	A10	3244	K16	9279	E15
2123	B11	3245	L16	9624	N 5
2160	A 6	3246	L16	9636	N 5
2161	B 4	3247	L16	9638	N 4
2163	E 2	3248	M16	9650	M17
2164	E 2	3249	N19	9655	E26
2165	A 4	3250	N19	9656	E26
2166	D 7	3251	O15		
2168	B 9	3252	O15		
2169	C10	3253	K25		
2170	E28	3254	B29		
2171	E28	3255	J25		
2172	F28	3256	C23		
2180	B 5	3257	C23		
2181	D 6	3259	K25		
2188	I 7	3260	C29		
2189	J 7	3261	G25		
2190	H 7	3262	G25		
2191	J12	3263	G26		
2193	M 6	3264	G25		
2194	N 6	3265	L25		
2196	N 5	3266	H26		
2197	N 4	3267	I24		
2216	C15	3268	L25		
2219	C19	3269	I25		
2234	I19	3270	M25		
2240	J19	3271	L25		
2241	K18	3272	I24		
2242	K15	3273	N26		
2243	K17	3274	N25		
2245	L15	3275	N27		
2249	N19	3276	N26		
2252	O18	3277	O19		
2253	H26	3279	L27		
2254	C28	3281	E14		
2255	C28	3284	B20		
2257	A25	3285	B19		
2258	B23	3286	B21		
2260	C28	3287	B23		
2261	C28	3287	B21		
2268	L26	3288	B23		
2269	J25	3375	I26		
2270	M25	4066	D 7		
2274	H19	4108	E25		
3113	H12	4111	A24		
3114	H12	4114	L23		
3133	I12	4115	L23		
3151	A 7	4130	N 3		
3152	B 8	4148	A 6		
3153	A 8	4162	D10		
3154	B 8	4163	B 3		
3155	A 9	4170	I 9		
3156	B12	4171	I 8		
3159	B11	4234	I16		
3160	A 5	4235	H16		
3161	B 9	4236	H18		
3162	A 5	4237	E16		
3163	D 2	4241	B21		
3164	F 3	4246	D29		
3165	F 3	4263	B22		
3166	C 6	4280	K20		
3167	C10	5270	I25		
3168	B10	6120	A 9		
3170	D29	6121	A 9		
3171	E29	6163	E 2		
3172	B 4	6165	H 6		
3175	I 7	6166	I 6		
3176	H 7	6168	B 9		
3177	I 7	6172	F28		
3178	H 7	6173	F28		
3180	I 4	6178	F 6		
3181	J 4	6256	C23		
3182	I 5	6257	C22		
3183	J 4	6280	B20		
3184	J 5	6281	B21		
3185	J 6	7120	B 8		
3186	K 5	7121	B11		
3187	L 8	7173	G 8		
3188	K 3	7176	H 8		
3189	L 4	7177	I 8		
3190	H 7	7182	J 5		
3191	L 4	7183	J 5		
3192	J 7	7186	K 4		
3193	M 6	7188	K 3		
3194	N 6	7193	L 2		
3196	M 5	7216	B15		
3197	N 5	7219	C20		
3200	I 9	7243	K16		
3201	J 9	7244	L16		
3205	L 9	7258	A24		
3206	L 9	7260	G25		
3207	M10	7261	H25		
3208	N10	7265	J25		
3209	N10	7268	K25		
3210	N 9	7270	M26		
3211	C14	7273	N26		
3215	C14	7452	G 9		
3216	B15	9098	B 3		
3217	C14	9102	M16		
3218	C15	9103	M18		
3219	C14	9104	K17		
3220	D19	9105	O19		
3222	G20	9110	M17		
3224	D14	9167	D 8		
3225	I25	9168	D 8		
3232	H20	9220	G18		
3233	H20	9221	H16		
3234	I15	9263	N22		
3235	I16	9265	M22		
3237	I20	9268	N24		

Small signal panel Klein-signal Platine

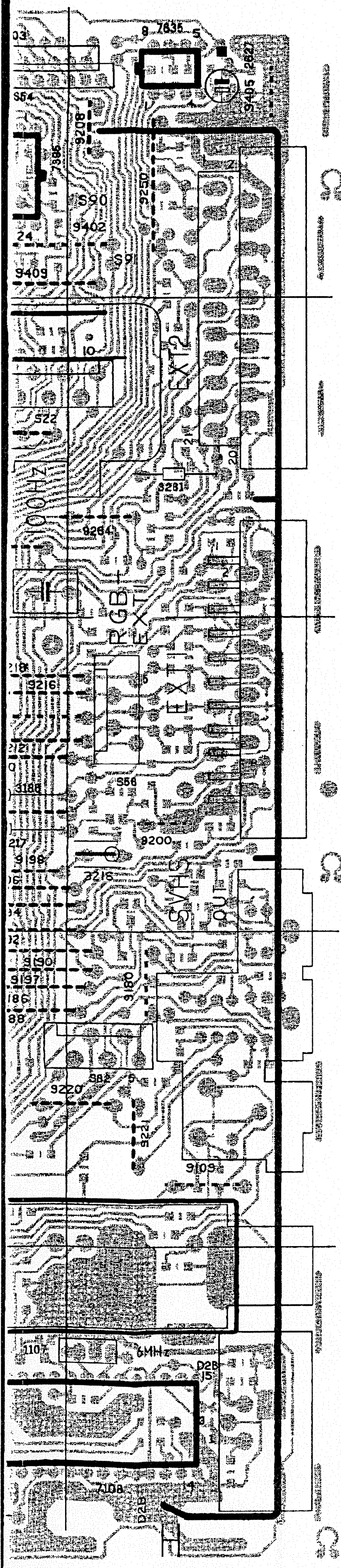

8204 004 1148.2
3104 303 3268.2
SVHS
EXT3
CVBS
HP
CHROMA
SECAM BLACK LEVEL
SERVICE DEFAULT
SERVICE
CHANNEL SEPARATION L/R
CONTROL
FAROM
12MHz
4.43MHz
4.5MHz
5.5MHz
6.5MHz
4.406MHz
8.8MHz
7.16MHz
3.58MHz
A
B
C
D
3999
3996
7116
7137
7384
7820
7600
7268
7176
7880
7707
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
TP15
TP16
TP18
TP19
TP20
TP21
TP22
TP23
TP25
TP26
+5
+13
S01
S02
S23
S24
S25
S26
S41
S42
S47
S48
S49
S50
S51
S53
S60
S61
S71
S72
S73
9142
9151
9152
9153
9602
3602
3109
2243
2242
1248
9742
9743
9675
9676
9660
9673
9672
9671
9670
9628
9126
9125
9105
9104
9110
9111
9112
9113
9116
9117
3101
9118
9119
3118
9150
9185
9130
9147
9146
9145
9141
9140
3680
3712
3713
3706
3720
3722
3730
3732
3733
2720
2727
2728
2706
2882
2884
2886
3700
9735
9737
9799
9189
9330
9366
2380
2381
2360
2361
2379
2377
3388
3387
3378
3376
3360
2384
2387
5345
5370
5375
3310
3337
3346
3654
9316
9310
9090
9084
9086
9087
9088
3136
3137
3138
3139
3140
3141
3142
3143
3144
3145
3146
2138
2241
2252
9156
9157
9092
9091
9336
1100
2100
2131
3100
2700
2702
9730
9180
9181
9160
9623
9624
9636
9637
9638
9639
9641
9642
9143
9650
9651
9652
9653
9654
9655
9656
9657
9677
9705
9706
9707
9714
9716
9717
9720
9721
9712
9698
9159
9137
9123

6.17 CHASSIS FL1.1

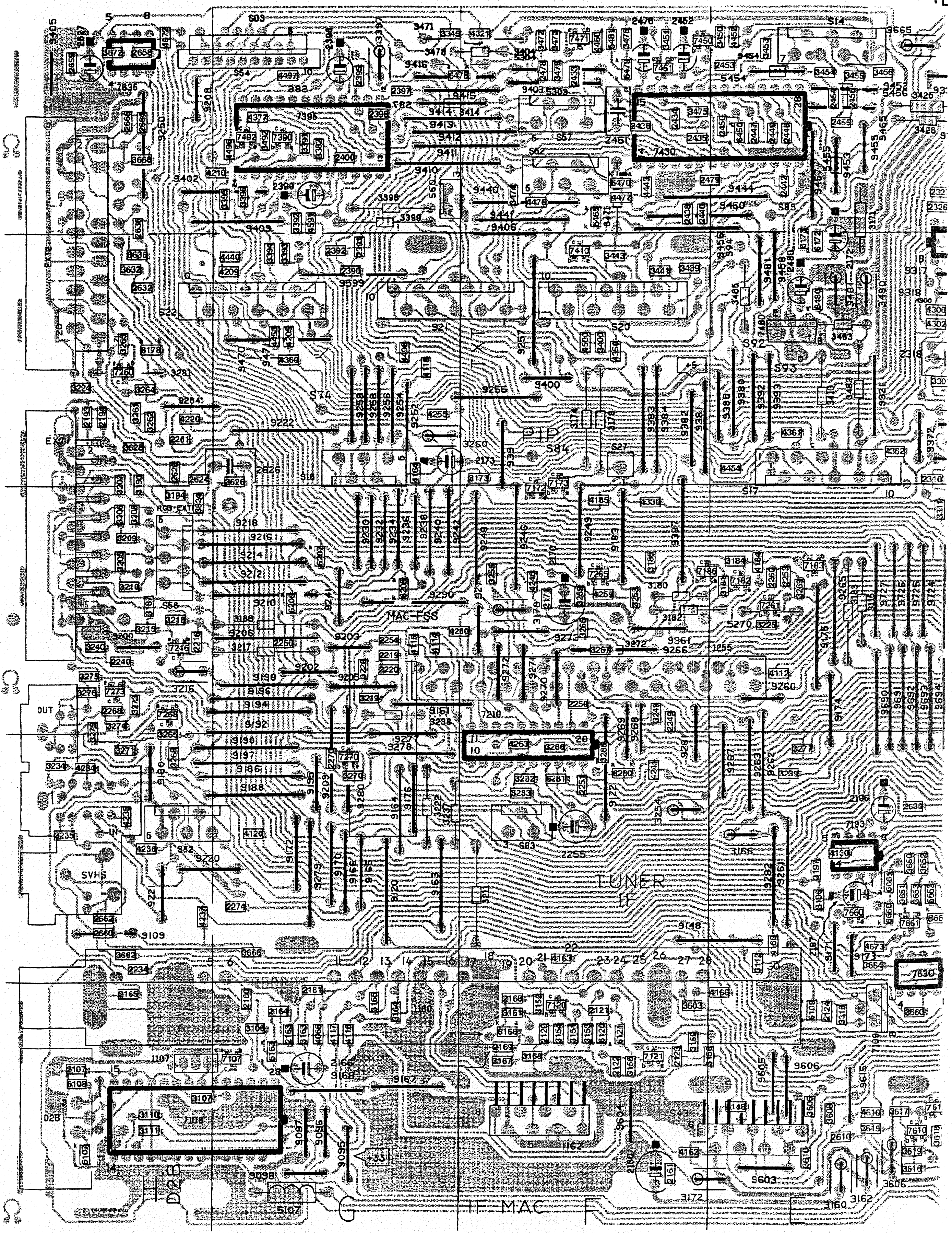
Platine à petite signaux



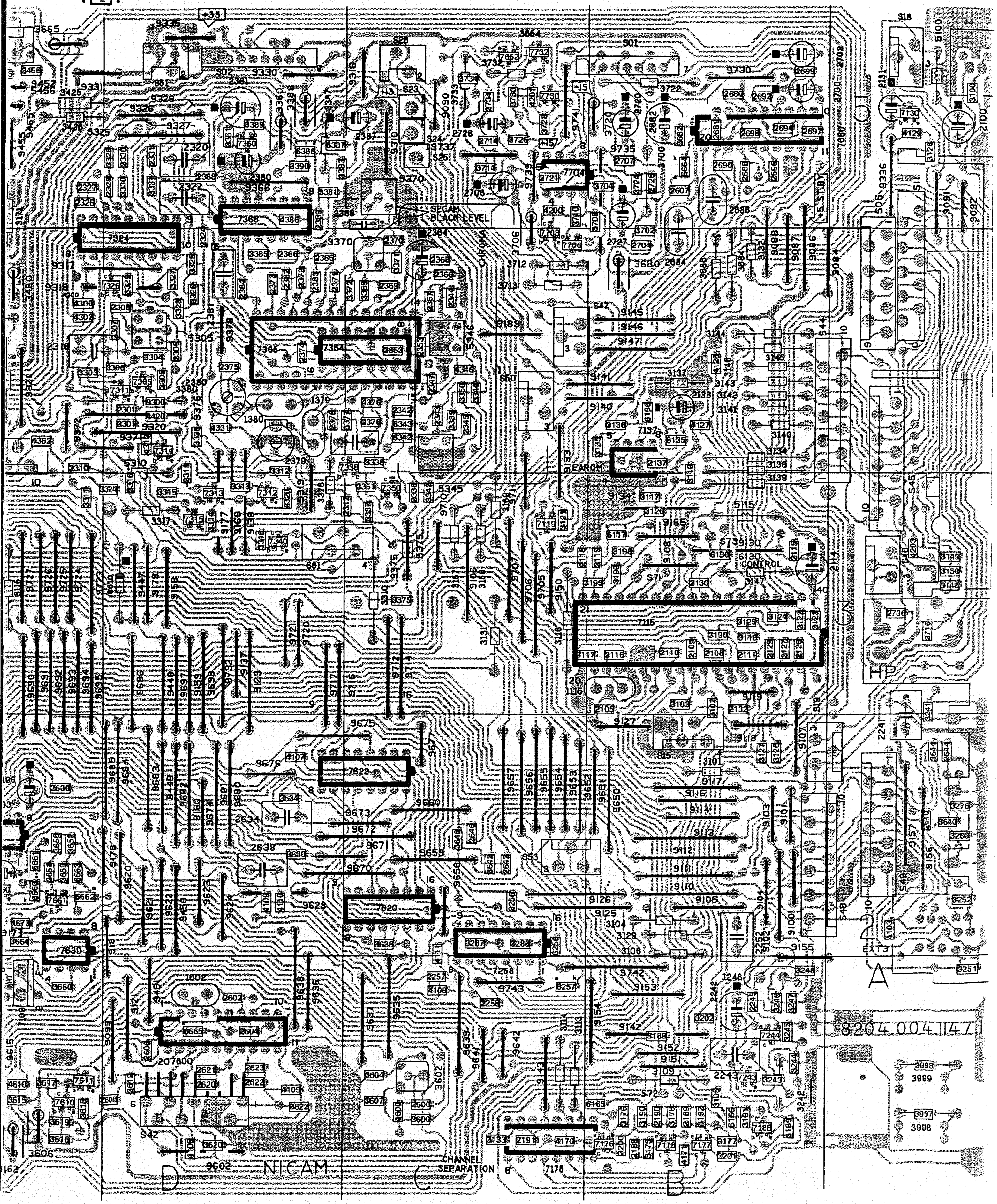
9335
+33
S51
S02
9328
9327
9326
9325
2320
2322
3426
3428
TP26
TP27
TP28
7324
9317
9318
2381
TP24
5305
9378
2380
4,43MHz
8,8MHz
2318
3380
9376
9320
9371
9372
5310
9177
3317
S14
3665
9452
5456
9454
5454
9465
9455
5455
9457
9459
3478
3480
3481
3482
3483
3410
7480
S93
9321
S85
S94
9458
9481
3466
S92
9393
9382
3380
9385
9381
9382
2461
2476
2451
5304
9404
5303
9403
3471
3476
3477
9416
9415
9414
3414
9413
9412
9411
9410
S87
S57
S52
7430
S60
9444
9460
9456
9440
9441
9406
9442
3398
3399
3397
2396
2398
S86
S03
S54
7836
9208
7386
S90
9402
9230
S91
9409
9599
S20
S21
S22
9471
9470
EXT2
3281
9267
9400
9255
9384
9383
3179
3174
S84
S27
PIP
9391
3260
9252
9254
9256
9258
9259
2173
S74
100HZ
9264
9222
S16
2626
RGB EXT1
S17
9387
TP35
9183
9249
9246
9248
9242
9240
9238
9236
9234
9232
9230
9218
9216
9214
9212
9210
3166
9158
9179
9447
1610
9723
9724
9725
9726
9727
3181
3188
9265
9175
3180
3182
TP32
TP31
3170
9290
MAC-S
9203
9206
9270
9271
9272
9273
3272
9266
2170
S56
9361
1255
9200
9262
9274
9205
9202
9217
9196
9198
3215
SVHS OUT
3238
9161
9277
9278
TP30
7210
9192
9190
9197
9195
9188
9180
9260
9281
9268
9269
9122
9280
9209
9178
9176
9263
9362
9267
9699
9698
9159
9697
9448
9696
9695
9694
9693
9692
9691
9690
9174
9680
9681
9682
9683
9684
9685
9449
9160
2196
7193
3294
3166
2255
S83
3237
3224
3221
3220
S82
9220
3221
3103
9163
9120
9165
9161
9170
9239
9172
9178
9620
9622
9621
9623
9624
9450
9178
2197
9261
9282
9173
9171
9148
1160
TP18
TP17
1602
9451
9121
7830
9091
9093
TP14
1109
9606
9605
9604
9167
9168
9095
9096
9097
9098
2166
3107
6MHz
D28
7108
5107
9615
3608
S43
TP13
9602
3162
3160
TP29
9603
3172
2180
1162
+33
TUNER
MAC



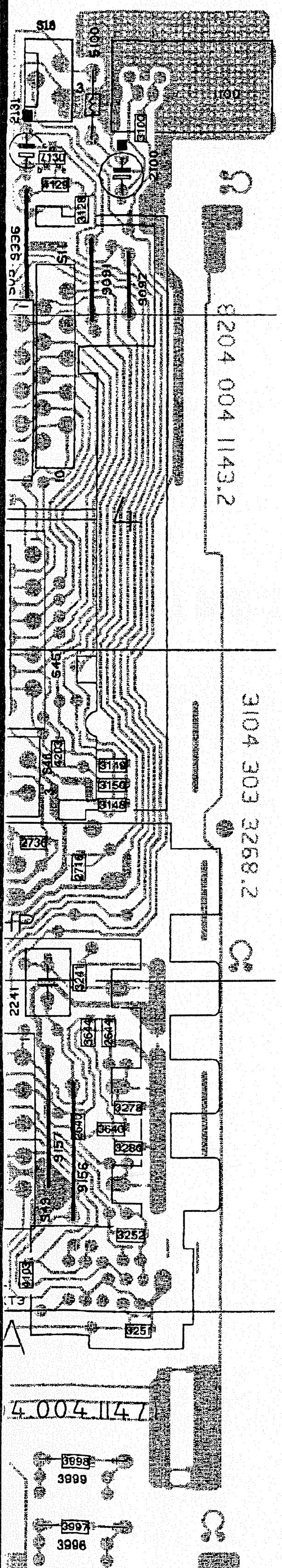
D2B H1	2627 H6	3666 E5	9140 B4	9262 E2	9602 D1
EXT1 H3	2634 D2	3680 B4	9141 B4	9263 E2	9603 E1
EXT2 H4	2638 D2	3684 B4	9142 B1	9264 H4	9604 F1
EXT3 A3	2682 B5	3686 B4	9143 C1	9265 E3	9605 E1
S01 B5	2684 B4	3700 B5	9145 B4	9266 F3	9606 E1
S02 D5	2686 B5	3706 C4	9146 B4	9267 E2	9615 E1
S03 H5	2700 B5	3712 C4	9147 B4	9268 F3	9620 D2
S05 A4	2702 B5	3713 C4	9148 E2	9269 F3	9621 D2
S11 A5	2706 C5	3720 B5	9150 C3	9270 F3	9622 D2
S14 E5	2720 B5	3722 B5	9151 B1	9271 F3	9623 D2
S15 B2	2727 B5	3732 C5	9152 B1	9272 F3	9624 D2
S16 G4	2728 C5	3733 C5	9153 B1	9273 F3	9628 D2
S17 E4	3101 B2	3996 A1	9154 B1	9274 F3	9635 C1
S18 A5	3104 B2	3999 A1	9155 A1	9277 G2	9636 D1
S19 B2	3106 B2	5100 A5	9156 A2	9278 G2	9637 C1
S20 F4	3109 B1	5107 G1	9157 A2	9279 G2	9638 D1
S21 F4	3113 C1	5115 B3	9158 D3	9280 G2	9639 C1
S22 G4	3114 C1	5270 E3	9159 D3	9281 F2	9641 C1
S23 C5	3115 E3	5303 F5	9160 D2	9282 E2	9642 C1
S24 C5	3116 C3	5304 F5	9161 G3	9290 G3	9650 B2
S25 C5	3129 B2	5305 D4	9163 G2	9310 C5	9651 B2
S26 C5	3131 C3	5310 D4	9164 G2	9315 C5	9652 C2
S27 F4	3132 B4	5345 C4	9165 G2	9317 D4	9653 C2
S42 D1	3134 B4	5346 C4	9166 G2	9318 D4	9654 C2
S43 F1	3137 B4	5370 C5	9167 G1	9319 D3	9655 C2
S44 B4	3138 B4	5375 C3	9168 G1	9320 D4	9656 C2
S45 A4	3139 B3	5454 E5	9169 D3	9321 E4	9657 C2
S46 A3	3140 B4	5455 E5	9170 G2	9325 D5	9658 C2
S47 C4	3141 B4	5456 E5	9171 E2	9326 D5	9659 C2
S48 B2	3142 B4	6471 F5	9172 G2	9327 D5	9660 C2
S49 A2	3143 B4	6610 D3	9173 E2	9328 D5	9670 C2
S50 C4	3144 B4	7109 E1	9174 E3	9330 D5	9671 D2
S51 D5	3145 B4	7115 B3	9175 E3	9331 D5	9672 C2
S52 F5	3146 B4	7137 B3	9176 G2	9335 D5	9673 C2
S53 C2	3147 B3	7193 E2	9177 D3	9336 A5	9674 D2
S54 H5	3167 C3	7219 F2	9178 D2	9361 F3	9675 D2
S56 H3	3158 C3	7324 E5	9179 D3	9365 D5	9676 D2
S57 F5	3160 E1	7366 D5	9180 H2	9371 D4	9677 C2
S60 G5	3162 E1	7395 G5	9181 D2	9372 E4	9680 D2
S81 D3	3166 E2	7430 E5	9183 F3	9375 C3	9681 D2
S82 G2	3169 C3	7480 E4	9185 B3	9376 D4	9682 D2
S83 F2	3170 F3	7635 H5	9186 G2	9379 D4	9683 D2
SVHS H2	3171 E5	7680 B5	9188 G2	9380 E4	9684 D2
1100 A5	3172 E1	7704 C5	9189 C4	9381 F4	9685 D2
1107 H1	3174 F4	9084 B4	9190 G2	9382 F4	9690 E3
1115 B3	3179 F4	9086 B4	9192 G3	9383 F4	9691 E3
1160 E2	3180 F3	8087 B4	9194 G3	9384 F4	9692 E3
1162 F1	3182 F3	9088 B4	9195 G2	9385 E4	9693 E3
1248 B1	3183 E3	9090 C5	9196 G3	9387 F3	9694 E3
1379 D4	3186 G3	9091 A5	9197 G2	9391 F4	9695 E3
1380 D4	3211 F2	9092 A5	9198 G3	9392 E4	9696 D3
1602 D1	3216 H3	9093 D1	9200 H3	9393 E4	9697 D3
2100 A5	3217 G3	9095 G1	9202 G3	9400 F4	9698 D3
2114 B3	3222 G2	9096 G1	9203 G3	9402 H5	9705 C3
2131 A5	3237 G2	9097 G1	9205 G3	9403 F5	9706 C3
2138 B4	3238 G3	9098 G1	9206 G3	9404 F5	9707 C3
2160 F1	3242 B1	9100 B2	9208 H5	9405 H5	9710 C3
2166 G1	3254 F2	9101 B2	9209 G2	9406 F4	9711 C3
2170 F3	3260 G4	9102 B2	9210 G3	9409 G5	9712 C3
2172 E4	3272 F3	9103 B2	9212 G3	9410 G5	9714 C3
2173 G4	3281 H4	9104 B2	9214 G3	9411 F5	9716 D3
2186 E2	3310 C3	9105 B2	9216 G3	9412 F5	9717 D3
2197 E2	3317 D3	9106 C3	9218 G3	9413 G5	9720 D3
2241 A2	3360 D5	9107 B2	9220 G2	9414 G5	9721 D3
2242 B1	3370 C4	9108 B3	9221 H2	9415 F5	9723 E3
2243 B1	3376 D3	9109 H2	9222 G4	9416 G5	9724 E3
2262 B2	3380 D4	9110 B2	9230 G3	9440 F5	9725 E3
2255 F2	3387 D5	9111 B2	9232 G3	9441 F5	9726 E3
2318 E4	3388 D5	9112 B2	9234 G3	9444 E5	9727 E3
2320 D5	3397 G5	9113 B2	9236 G3	9447 D3	9730 B5
2322 D5	3398 G5	9114 B2	9238 G3	9448 D3	9732 D3
2360 D5	3399 G5	9116 B2	9240 G3	9449 D2	9736 B5
2361 D5	3410 E4	9117 B2	9241 G3	9450 D2	9737 C5
2364 C4	3414 G5	9118 B2	9242 G3	9451 D1	9739 C5
2365 C5	3425 E5	9119 B3	9246 F3	9462 E5	9741 C5
2377 C4	3426 E5	9120 G2	9248 F3	9463 E5	9742 B1
2379 D4	3465 E4	9121 D1	9249 F3	9464 E5	9743 C1
2380 D4	3471 F5	9122 F2	9250 H5	9455 E5	
2381 D4	3477 F5	9123 D3	9252 G4	9456 F5	
2387 C5	3478 F5	9125 C2	9254 G4	9457 E5	
2398 G5	3480 E4	9126 C2	9255 F4	9458 E4	
2399 G5	3481 E4	9127 B2	9256 G4	9460 F5	
2461 F5	3482 E4	9130 B3	9257 F4	9465 E5	
2462 F5	3483 E4	9133 C4	9258 G4	9470 G4	
2476 F5	3602 C1	9134 B3	9259 G4	9471 G4	
2480 E4	3606 E1	9137 D3	9260 E3	9481 E4	
2626 G4	3654 C5	9138 D3	9261 E2	9599 G4	


EXT3
EXT1
RGB-EXT
OUT
IN
SVHS
D2B
PIP
MAC-FSS
TUNER
IF
IF MAC
S03
S04
S14
S16
S17
S20
S21
S22
S27
S43
S57
S58
S62
S74
S82
S83
S84
S85
S92
S93
S603
7396
7430
7108
7630
+5
+33
5107

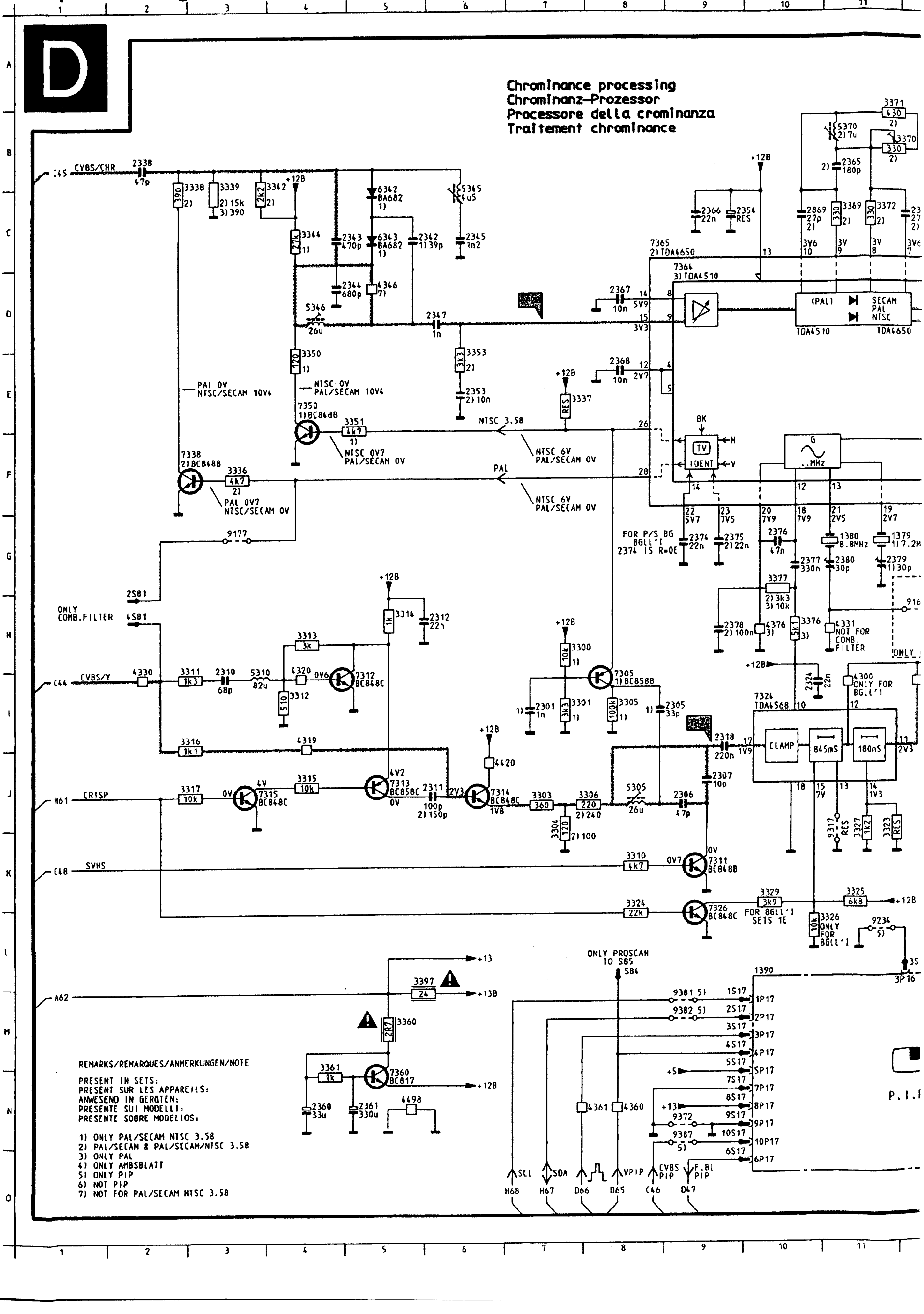
Small signal panel Klein-signal Platine


SECAM BLACK LEVEL
CHROMA
EAROM
CONTROL
5V ST.BY
NICAM
CHANNEL SEPARATION
EXT3
A
B
C
D
8204.004.1147

Platine à petite signaux



D2B	H1
EXT1	H3
EXT2	H4
EXT3	A3
S01	B5
S02	D5
S03	H5
S06	A4
S11	A5
S14	E5
S15	B2
S16	G4
S17	E4
S18	A5
S19	B2
S20	F4
S21	F4
S22	G4
S23	C5
S24	C5
S25	C5
S26	C5
S27	F4
S42	D1
S43	F1
S44	B4
S45	A4
S46	A3
S47	C4
S48	B2
S49	A2
S50	C4
S51	D5
S52	F5
S53	C2
S54	H5
S56	H3
S57	F5
S60	G5
S81	D3
S82	G2
S83	F2
SVHS	H2
1100	A5
1107	H1
1115	B3
1160	E2
1162	F1
1248	B1
1379	D4
1380	D4
1602	D1
2100	A5
2105	B3
2107	H1
2108	B3
2109	B3
2110	B3
2111	B3
2114	B3
2115	B3
2116	B3
2117	B3
2118	C3
2119	B3
2120	F1
2121	F1
2122	F1
2123	F1
2124	E1
2126	B3
2127	B3
2129	B3
2130	B3
2131	A5
2132	B3
2137	B4
2138	B4
2160	F1
2161	F1
2163	G1
2164	G1
2165	H1
2166	G1
2168	F1
2169	F1
2170	F3
2171	F3
2172	E4
2173	G4
2180	G1
2181	G1
2188	B1
2189	B1
2190	B1
2191	C1
2193	H4
2194	H4
2196	E2
2197	E2
2216	H3
2219	G3
2220	G3
2234	H2
2240	H3
2241	A2
2242	B1
2243	B1
2245	B1
2249	F3
2250	F3
2251	F2
2252	B2
2253	E3
2254	G3
2255	F2
2257	C1
2258	C1
2260	G3
2261	H4
2268	H3
2269	E3
2270	G2
2274	G2
2301	D4
2305	D4
2306	D4
2307	D4
2310	E4
2311	D4
2312	C3
2318	E4
2320	D5
2322	D5
2324	D4
2326	E5
2327	E5
2328	D5
2330	D5
2331	D5
2338	C3
2342	C4
2343	C4
2344	C4
2345	C4
2347	C4
2353	C4
2360	D5
2361	D5
2364	C4
2365	C5
2366	C4
2367	C4
2368	C4
2369	C4
2370	C4
2371	D4
2372	D4
2373	D4
2374	D4
2375	D4
2376	C4
2377	C4
2378	D4
2379	D4
2380	D4
2381	D4
2382	D4
2383	D4
2384	D4
2385	D4
2386	D4
2387	C5
2388	D5
2389	D5
2390	G4
2391	G4
2392	G4
2395	G5
2396	G5
2397	G5
2398	G5
2399	G5
2400	G5
2433	F5
2434	F5
2435	F5
2436	F5
2438	F5
2440	F5
2442	E5
2445	E5
2446	E5
2447	E5
2450	E5
2451	F5
2452	F5
2453	E5
2454	E5
2455	E5
2456	E5
2476	F5
2478	F5
2479	E5
2480	E4
2600	C1
2602	D1
2604	D1
2606	D1
2607	B5
2608	D1
2610	E1
2620	D1
2621	D1
2622	D1
2623	D1
2624	H4
2626	G4
2627	H5
2628	H4
2630	E2
2632	H4
2634	D2
2636	H5
2638	D2
2640	A2
2642	C2
2644	A2
2646	C2
2658	H5
2659	H5
2660	H2
2662	H2
2664	H5
2666	H5
2680	B5
2681	B5
2682	B5
2684	B4
2686	B5
2688	B5
2690	B5
2692	B5
2694	B5
2696	B5
2697	B5
2698	B5
2699	B5
2700	B5
2702	B5
2704	B4
2706	C5
2707	B5
2714	C5
2716	A3
2720	B5
2721	C5
2726	B5
2727	B5
2728	C5
2734	C5
2736	A3
3100	A5
3101	B2
3102	B3
3103	B3
3104	B2
3105	B1
3106	B2
3107	H1
3108	G1
3109	B1
3110	H1
3111	H1
3112	E2
3113	C1
3114	C1
3115	E3
3116	C3
3117	B3
3118	B3
3119	B4
3120	B3
3121	C3
3122	B3
3123	B3
3124	B3
3125	B3
3126	B2
3127	B2
3128	A5
3129	B2
3130	B3
3131	C3
3132	B4
3133	C1
3134	B4
3135	B4
3136	B4
3137	B4
3138	B4
3139	B3
3140	B4
3141	B4
3142	B4
3143	B4
3144	B4
3145	B4
3146	B4
3147	B3
3148	A3
3149	A3
3150	A3
3151	F1
3152	F1
3153	F1
3154	F1
3155	F1
3156	E1
3157	C3
3158	C3
3159	F1
3160	E1
3161	F1
3162	E1
3163	G1
3164	G1
3165	G1
3166	E2
3167	F1
3168	F1
3169	C3
3170	F3
3171	E5
3172	E1
3173	F4
3174	F4
3175	B1
3176	B1
3177	B1
3178	B1
3179	F4
3180	F3
3181	E3
3182	F3
3183	E3
3184	E3
3185	F3
3186	G3
3187	H3
3188	B1
3189	B1
3190	B1
3191	B1
3192	B1
3193	H4
3194	H3
3195	B3
3196	E2
3197	E2
3198	B3
3199	B3
3200	B1
3201	B1
3202	B1
3205	H3
3206	H3
3207	H4
3208	H3
3209	H3
3210	H3
3211	F2
3215	H3
3216	H3
3217	G3
3218	H3
3219	G3
3220	G3
3222	G2
3224	H4
3225	E3
3232	F2
3233	F2
3234	H2
3235	H2
3237	G2
3238	G3
3239	E2
3240	H3
3241	A3
3242	B1
3243	B1
3244	B1
3245	B1
3246	B1
3247	B1
3248	B1
3249	F3
3251	A1
3252	A2
3253	F3
3254	F2
3255	F3
3256	C2
3257	C1
3259	F3
3260	G4
3261	H4
3262	H4
3263	H4
3264	H4
3265	H2
3266	F3
3267	F3
3268	H2
3269	E3
3270	G2
3271	H2
3272	F3
3273	H3
3274	H3
3275	H3
3276	H3
3277	E2
3278	A2
3279	H3
3280	A2
3281	H4
3285	F2
3286	F2
3287	C2
3288	C2
3300	D4
3301	D4
3303	E4
3304	D4
3305	D4
3306	D4
3310	C3
3311	E3
3312	D4
3313	D3
3314	D3
3315	D3
3316	D3
3317	D3
3318	E1
3323	D4
3324	D3
3325	D4
3326	D4
3327	D4
3328	D5
3329	D4
3330	D5
3331	D5
3336	D4
3337	C3
3338	C4
3339	C4
3342	C3
3344	C4
3345	G5
3346	D3
3350	C4
3351	C3
3353	C4
3360	D5
3361	D5
3369	C4
3370	C4
3371	C4
3372	C4
3375	C3
3376	D3
3377	C4
3380	D4
3381	D5
3382	G5
3383	D5
3385	D4
3387	D5
3388	D5
3389	D5
3390	D5
3391	G5
3392	G5
3393	G4
3394	G4
3395	G5
3396	G5
3397	G5
3398	G5
3399	G5
3400	F4
3410	E4
3414	G5
3425	E5
3426	E5
3439	F4
3441	F4
3443	F4
3450	E5
3451	F5
3453	E5
3454	E5
3455	E5
3456	E5
3465	E4
3471	F5
3472	F5
3473	F5
3474	F5
3475	F5
3476	F5
3477	F5
3478	F5
3479	F5
3480	E4
3481	E4
3482	E4
3483	E4
3492	G5
3600	C1
3602	C1
3603	F1
3604	C1
3605	E1
3606	E1
3607	C1
3608	E1
3610	E1
3612	D1
3615	E1
3616	E1
3617	E1
3618	E1
3619	E1
3620	D1
3622	D1
3624	H3
3626	G4
3628	H4
3630	D2
3632	H4
3634	D2
3636	H4
3638	C2
3640	A2
3642	C2
3644	A2
3646	C2
3650	E2
3651	E2
3652	E2
3653	E2
3654	C5
3660	E1
3662	H2
3664	E2
3665	E5
3666	G2
3668	H5
3672	H5
3680	B4
3682	B5
3684	B4
3686	B4
3700	B5
3702	B4
3704	B5
3706	C4
3708	B5
3710	C5
3712	C4
3713	C4
3714	C5
3720	B5
3722	B5
3724	B5
3726	C5
3728	C5
3730	C5
3732	C5
3733	C5
3734	C5
3996	A1
3997	A1
3998	A1
3999	A1
4066	G1
4103	A2
4105	D1
4106	D1
4107	D2
4108	C1
4109	D2
4110	D2
4111	C2
4112	E3
4114	G3
4115	G3
4116	G1
4117	G1
4118	G4
4120	G2
4126	B4
4127	B4
4129	A5
4130	E2
4148	E1
4160	E2
4162	F1
4163	F2
4164	G4
4165	F3
4166	E1
4170	C1
4171	B1
4184	E3
4200	C5
4201	C5
4203	A3
4205	G4
4209	G4
4210	G5
4220	H4
4234	H2
4235	H2
4236	H2
4237	H2
4241	F2
4246	F3
4255	G4
4259	F3
4263	F2
4280	F3
4300	E4
4302	E4
4319	D4
4320	D3
4321	F5
4330	F3
4331	D4
4346	C4
4350	F4
4360	G4
4361	E4
4362	E4
4376	C4
4377	G5
4386	D5
4420	D4
4440	G4
4443	F5
4452	E5
4453	G4
4454	E4
4460	F5
4476	F5
4477	F5
4496	G5
4497	G5
4498	G4
4500	F4
4591	G5
4600	C1
4610	E1
4672	H5
4673	E2
5100	A5
5107	G1
5115	B3
5270	E3
5303	F5
5304	F5
5305	D4
5310	D4
5345	C4
5346	C4
5370	C5
5375	C3
5454	E5
5455	E5
5456	E5
6107	H1
6108	H1
6109	E1
6117	B3
6120	F1
6121	F1
6130	B3
6135	B4
6136	B4
6163	G1
6165	B1
6166	B1
6168	F1
6172	E4
6173	E4
6178	H4
6205	G3
6206	G3
6207	G3
6256	C2
6257	C1
6280	F2
6281	F2
6342	C4
6343	C4
6386	D5
6387	D5
6450	E5
6465	F5
6470	F5
6471	F5
6478	F5
6479	F5
6480	E4
6481	F5
6610	D3
6660	E2
6661	E2
6662	E2
6663	E2
6664	B5
6665	D1
7107	G1
7108	G1
7109	E1
7115	B3
7119	C3
7120	F1
7121	F1
7130	A5
7137	B3
7172	F3
7173	F4
7175	B1
7176	B1
7177	B1
7178	B1
7182	E3
7183	E3
7186	E3
7188	B1
7193	E2
7216	H3
7219	F2
7243	B1
7244	B1
7258	C1
7260	H4
7261	E3
7265	F3
7268	H3
7270	G2
7273	H3
7305	D4
7311	D4
7312	D3
7313	D3
7314	D4
7315	D3
7324	E5
7326	D4
7338	C4
7340	D3
7350	C3
7360	D5
7364	D4
7365	D4
7366	D5
7390	G5
7395	G5
7410	F4
7430	E5
7450	F5
7451	F5
7471	F5
7480	E4
7492	G5
7600	D1
7610	E1
7611	E1
7620	C2
7622	C2
7630	E1
7635	H5
7660	E2
7661	E2
7662	C5
7680	B5
7704	C5
7706	C4
7708	C4
7730	C5
7732	C5
9084	B4
9086	B4
9087	B4
9088	B4
9090	C5
9091	A5
9092	A5
9093	D1
9095	G1
9096	G1
9097	G1
9098	G1
9100	B2
9101	B2
9102	B2
9103	B2
9104	B2
9105	B2
9106	C3
9107	B2
9108	B3
9109	H2
9110	B2
9111	B2
9112	B2
9113	B2
9114	B2
9116	B2
9117	B2
9118	B2
9119	B3
9120	G2
9121	D1
9122	F2
9123	D3
9125	C2
9126	C2
9127	B2
9130	B3
9133	C4
9134	B3
9137	D3
9138	D3
9140	B4
9141	B4
9142	B1
9143	C1
9145	B4
9146	B4
9147	B4
9148	E2
9150	C3
9151	B1
9152	B1
9153	B1
9154	B1
9155	A1
9156	A2
9157	A2
9158	D3
9159	D3
9160	D2
9161	G3
9163	G2
9164	G2
9165	G2
9166	G2
9167	G1
9168	G1
9169	D3
9170	G2
9171	E2
9172	G2
9173	E2
9174	E3
9175	E3
9176	G2
9177	D3
9178	D2
9179	D3
9180	H2
9181	D2
9183	F3
9185	B3
9186	G2
9188	G2
9189	C4
9190	G2
9192	G3
9194	G3
9195	G2
9196	G3
9197	G2
9198	G3
9200	H3
9202	G3
9203	G3
9205	G3
9206	G3
9208	H5
9209	G2
9210	G3
9212	G3
9214	G3
9216	G3
9218	G3
9220	G2
9221	H2
9222	G4
9230	G3
9232	G3
9234	G3
9236	G3
9238	G3
9240	G3
9241	G3
9242	G3
9246	F3
9248	F3
9249	F3
9250	H5
9252	G4
9254	G4
9255	F4
9256	G4
9257	F4
9258	G4
9259	G4
9260	E3
9261	E2
9262	E2
9263	E2
9264	H4
9265	E3
9266	F3
9267	E2
9268	F3
9269	F3
9270	F3
9271	F3
9272	F3
9273	F3
9274	F3
9277	G2
9278	G2
9279	G2
9280	G2
9281	F2
9282	E2
9290	G3
9310	C5
9316	C5
9317	D4
9318	D4
9319	D3
9320	D4
9321	E4
9325	D5
9326	D5
9327	D5
9328	D5
9330	D5
9331	D5
9335	D5
9336	A5
9361	F3
9366	D5
9371	D4
9372	E4
9375	C3
9376	D4
9379	D4
9380	E4
9381	F4
9382	F4
9383	F4
9384	F4
9385	E4
9387	F3
9391	F4
9392	E4
9393	E4
9400	F4
9402	H5
9403	F5
9404	F5
9405	H5
9406	F4
9409	G5
9410	G5
9411	F5
9412	F5
9413	G5
9414	G5
9415	F5
9416	G5
9440	F5
9441	F5
9444	E5
9447	D3
9448	D3
9449	D2
9450	D2
9451	D1
9452	E5
9453	E5
9454	E5
9455	E5
9456	F5
9457	E5
9458	E4
9460	F5
9465	E5
9470	G4
9471	G4
9481	E4
9599	G4
9602	D1
9603	E1
9604	F1
9605	E1
9606	E1
9615	E1
9620	D2
9621	D2
9622	D2
9623	D2
9624	D2
9628	D2
9635	C1
9636	D1
9637	C1
9638	D1
9639	C1
9641	C1
9642	C1
9650	B2
9651	B2
9652	C2
9653	C2
9654	C2
9655	C2
9656	C2
9657	C2
9658	C2
9659	C2
9660	C2
9670	C2
9671	D2
9672	C2
9673	C2
9674	D2
9675	D2
9676	D2
9677	C2
9680	D2
9681	D2
9682	D2
9683	D2
9684	D2
9685	D2
9690	E3
9691	E3
9692	E3
9693	E3
9694	E3
9695	E3
9696	D3
9697	D3
9698	D3
9705	C3
9706	C3
9707	C3
9710	C3
9711	C3
9712	C3
9714	C3
9716	D3
9717	D3
9720	D3
9721	D3
9723	E3
9724	E3
9725	E3
9726	E3
9727	E3
9730	B5
9732	D3
9735	B5
9737	C5
9739	C5
9741	C5
9742	B1
9743	C1



D

Chrominance processing
Chrominanz-Prozessor
Processore della crominanza
Traitement chrominance

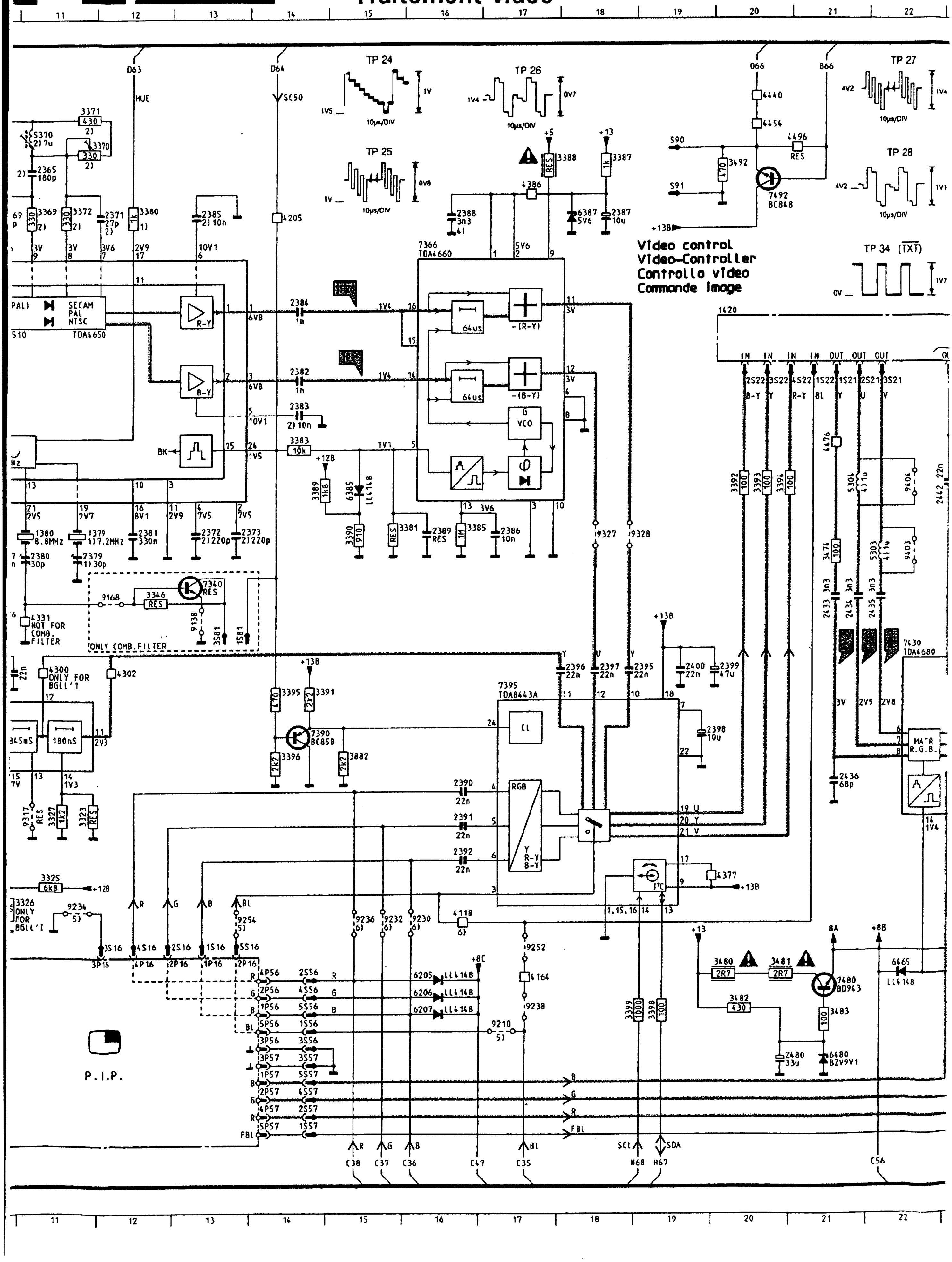
C45 CVBS/CHR
2338 47p
3338 390 2)
3339 2) 15k 3) 390
3342 2k2 2)
+12B
6342 BA682 1)
6343 BA682 1)
5345 4u5
2345 1n2
3344 27k 1)
2343 470p
2342 1) 39p
2344 680p
4346 7)
5346 26u
2347 1n
3350 170 1)
3353 3k3 2)
2353 2) 10n
PAL 0V NTSC/SECAM 10V4
NTSC 0V PAL/SECAM 10V4
7350 1) BC848B
3351 4k7 1)
NTSC 0V7 PAL/SECAM 0V
7338 2) BC848B
3336 4k7 2)
PAL 0V7 NTSC/SECAM 0V
NTSC 3.58
PAL
NTSC 6V PAL/SECAM 0V
9177
2S81
ONLY COMB.FILTER
4S81
C44 CVBS/Y
4330
3311 1k3
2310 68p
5310 82u
4320 0V6
3312 510
7312 BC848C
3313 3k
3314 1k
2312 22n
3316 1k1
4319
H61 CRISP
3317 10k
7315 BC848C
3315 10k
7313 BC858C
2311 100p 2) 150p
2V3
7314 BC848C 1V8
3303 360
3306 220 2) 240
3304 170 2) 100
5305 26u
2306 47p
2307 10p
2318 220n
3300 10k 1)
7305 1) BC858B
2301 1n
3301 3k3 1)
3305 100k 1)
2305 33p
4420
3337 RES
2367 10n
2368 10n
5V9 3V3 2V7
7365 2) TDA4650
7364 3) TDA4510
(PAL)
SECAM PAL NTSC
TDA4510 TDA4650
BK
IDENT
G ..MHz
2366 22n
2354 RES
2869 27p 2)
3369 330 2)
3372 330 2)
3371 430
5370 2) 7u
3370 330 2)
2365 180p
FOR P/S BG BGLL'I 2374 IS R=0E
2374 22n
2375 2) 22n
2376 47n
2377 330n
2380 30p
1380 8.8MHz
1379 1) 7.2M
2379 1) 30p
3377 2) 3k3 3) 10k
2378 2) 100n
4376 3)
3376 5k1 3)
4331 NOT FOR COMB. FILTER
ONLY
2374 22n
4300 ONLY FOR BGLL'I
7324 TDA4568
CLAMP
845nS
180nS
9317 RES
3327 1k2
3323 RES
C48 SVHS
3310 4k7
7311 BC848B
3324 22k
7326 BC848C
3329 3k9
FOR BGLL'I SETS 1E
3325 6k8
3326 10k ONLY FOR BGLL'I
9234 5)
A62
3397 2A
+13 +13B +12B
3360 2R7
3361 1k
7360 BC817
2360 33u
2361 330u
4498
ONLY PROSCAN TO S85
S84
1390
1P17 2P17 3P17 4P17 5P17 7P17 8P17 9P17 10P17 6P17
9381 5) 9382 5) 9372 9387 5)
4361 4360
SCL SDA VPIP CVBS PIP F.BL PIP
H68 H67 D66 D65 C46 D47
3P16
P.I.

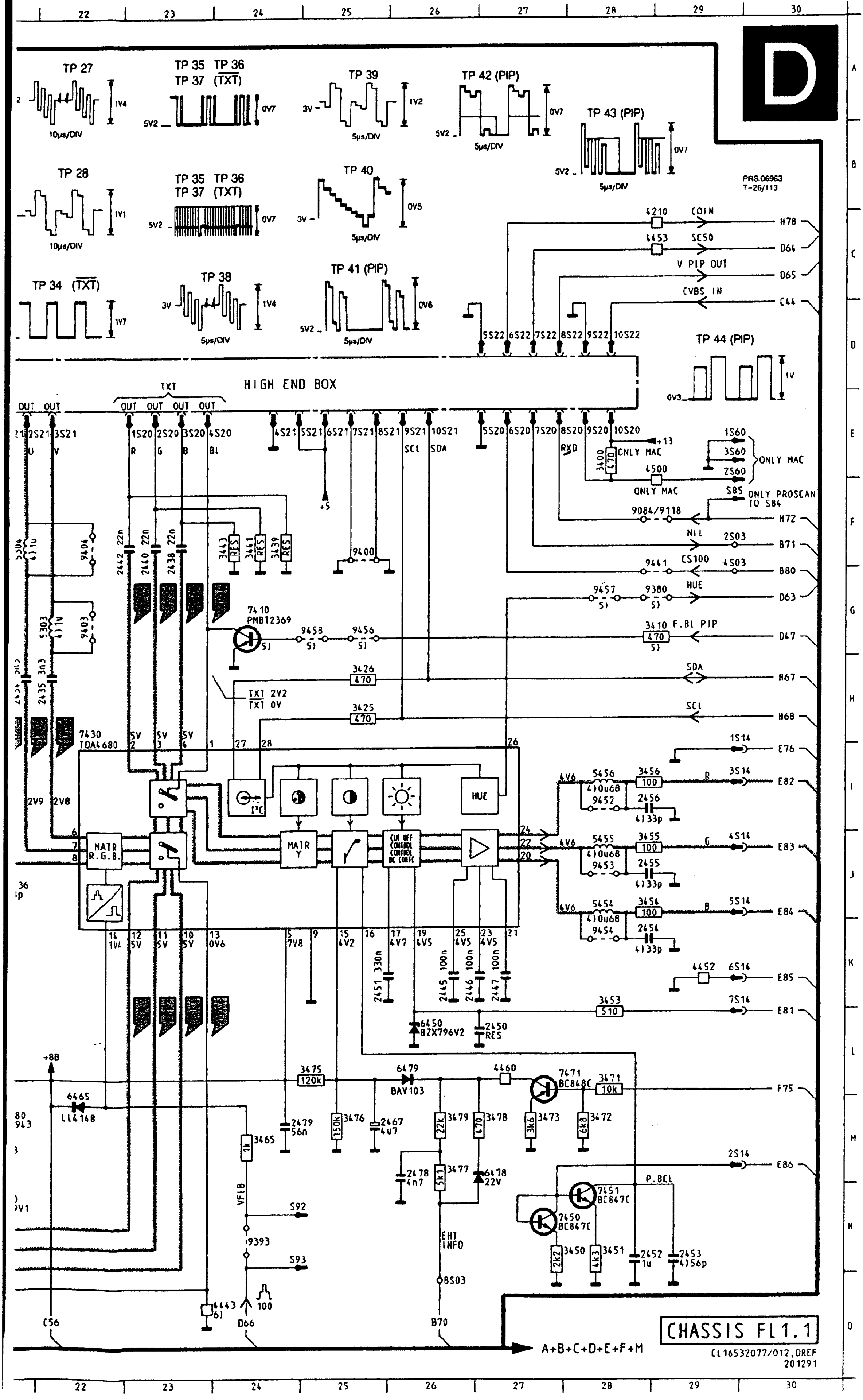
REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

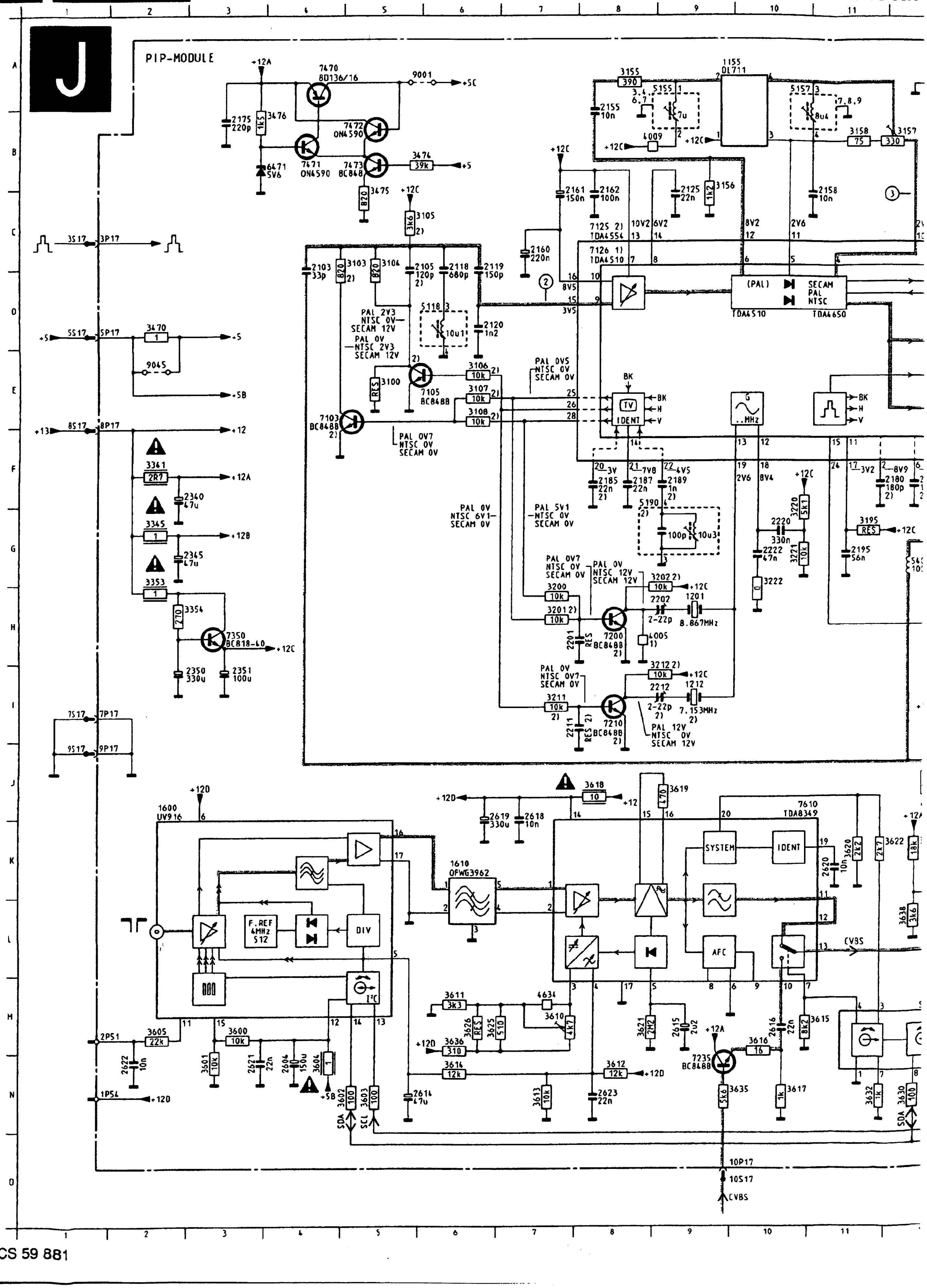
1) ONLY PAL/SECAM NTSC 3.58
2) PAL/SECAM & PAL/SECAM/NTSC 3.58
3) ONLY PAL
4) ONLY AMBSBLATT
5) ONLY PIP
6) NOT PIP
7) NOT FOR PAL/SECAM NTSC 3.58

Traitement vidéo


Video control
Video-Controller
Controllo video
Commande image
TP 24
TP 25
TP 26
TP 27
TP 28
TP 34 (TXT)
10µs/DIV
7366 TDA4660
7395 TDA8443A
7430 TDA4680
TDA4650
SECAM PAL NTSC
R-Y
B-Y
-(R-Y)
-(B-Y)
64us
VCO
MATR R.G.B.
RGB
Y R-Y B-Y
CL
7390 BC858
7492 BC848
7480 BD943
7340 RES
ONLY COMB.FILTER
NOT FOR COMB. FILTER
ONLY FOR BGLL'1
ONLY FOR BGLL'I
P.I.P.
1380 8.8MHz
1379 17.2MHz
HUE
SC50
BK
+13B
+12B
+5
+13
+8C
+8A
+8B
IN IN IN IN OUT OUT OUT
1420
SCL
SDA
C38 C37 C36 C47 C35 H68 H67 C56
D63 D64 D66 D66
11 12 13 14 15 16 17 18 19 20 21 22


D
22
23
24
25
26
27
28
29
30
TP 27
10µs/DIV
1V4
TP 35 TP 36
TP 37 (TXT)
5V2
0V7
TP 39
3V
1V2
5µs/DIV
TP 42 (PIP)
0V7
TP 43 (PIP)
TP 28
1V1
TP 40
0V5
TP 34 (TXT)
1V7
TP 38
TP 41 (PIP)
0V6
TP 44 (PIP)
1V
0V3
PRS.06963
T-26/113
4210
COIN
H78
4453
SC50
D64
V PIP OUT
D65
CVBS IN
C44
5S22
6S22
7S22
8S22
9S22
10S22
HIGH END BOX
TXT
OUT
1S20
2S20
3S20
4S20
R
G
B
BL
4S21
5S21
6S21
7S21
8S21
9S21
10S21
SCL
SDA
5S20
6S20
7S20
8S20
9S20
10S20
RXD
+13
3400
470
ONLY MAC
4500
1S60
3S60
2S60
S85
ONLY PROSCAN
TO S84
9084/9118
H72
NIL
2S03
B71
9441
CS100
4S03
B80
9457
9380
HUE
D63
7410
PMBT2369
9458
9456
3410
F.BL PIP
D47
3426
470
H67
TXT 2V2
TXT 0V
3425
H68
2442 22n
2440 22n
2438 22n
3443 RES
3441 RES
3439 RES
9404
9403
9400
5304 4μ1
5303 4μ1
2435 3n3
7430
TDA4680
MATR R.G.B.
MATR Y
I²C
HUE
CUT OFF CONTROL
1S14
E76
3S14
E82
4S14
E83
5S14
E84
4V6
5456
4μ0u68
3456
100
9452
2456
4μ33p
5455
3455
9453
2455
5454
3454
9454
2454
4452
6S14
E85
3453
510
7S14
E81
2451 330n
2445 100n
2446 100n
2447 100n
6450
BZX79C6V2
2450
RES
+8B
6465
LL4148
3475
120k
6479
BAV103
4460
7471
BC848C
3671
10k
F75
2479
56n
3476
150k
2467
4μ7
3479
22k
3478
470
3473
3k6
3472
6k8
3465
1k
2478
4n7
3477
5k1
6478
22V
2S14
E86
P.BCL
7451
BC847C
7450
BC847C
3450
2k2
3451
4k3
2452
1u
2453
4μ56p
VFIB
S92
9393
S93
4443
6)
100
EHT INFO
8S03
C56
D66
B70
A+B+C+D+E+F+M
CHASSIS FL1.1
CL 16532077/012, DREF
201291

1379	G11	3381	G15	7480	M21
1380	G11	3383	F14	7492	C20
1390	L10	3385	G16	9084	F29
1420	D20	3387	B18	9138	H13
2301	I 7	3388	B17	9168	H12
2305	I 9	3389	F14	9177	G 3
2306	J 9	3390	G15	9210	M17
2307	J 9	3391	I14	9230	L16
2310	I 3	3392	F20	9232	L15
2311	J 6	3393	F20	9234	L11
2312	H 6	3394	F20	9236	L15
2318	I 9	3395	I14	9238	M17
2324	I10	3396	J14	9252	L17
2338	B 2	3397	L 5	9254	L13
2342	C 5	3398	M19	9317	K11
2343	C 4	3399	M18	9327	G18
2344	D 4	3400	E28	9328	G18
2345	C 6	3410	G29	9372	N 9
2347	D 6	3425	H25	9380	G29
2353	E 6	3426	H25	9381	M 9
2354	C 9	3439	F24	9382	M 9
2360	N 4	3441	F24	9387	N 9
2361	N 5	3443	F24	9393	N24
2365	B11	3450	N27	9400	F25
2366	C 9	3451	N28	9403	G22
2367	D 8	3453	K28	9404	F22
2368	E 8	3454	J28	9441	F29
2371	C12	3455	J28	9452	I28
2372	G13	3456	I28	9453	J28
2373	G13	3465	M24	9454	K28
2374	G 9	3471	L28	9456	G25
2375	G 9	3472	M28	9457	G28
2376	G10	3473	M27	9458	G25
2377	G10	3474	G21		
2378	H 9	3475	L25		
2379	G11	3476	M25		
2380	G11	3477	M26		
2381	G12	3478	M27		
2382	E14	3479	M26		
2383	E14	3480	L20		
2384	D14	3481	L20		
2385	C13	3482	M20		
2386	G17	3483	M21		
2387	C18	3492	B20		
2388	C16	3882	J15		
2389	G16	4118	L16		
2390	J16	4164	M17		
2391	K16	4205	C14		
2392	K16	4210	C29		
2395	I18	4300	I11		
2396	I18	4302	I12		
2397	I18	4319	I 4		
2398	I19	4320	I 4		
2399	I20	4330	I 2		
2400	I19	4331	H11		
2433	H21	4346	D 5		
2434	H21	4360	N 8		
2435	H22	4361	N 8		
2436	J21	4376	H10		
2438	F23	4377	K20		
2440	F23	4386	B17		
2442	F22	4420	J 6		
2445	K26	4440	A20		
2446	K26	4443	O24		
2447	K27	4452	K29		
2450	L27	4453	C29		
2451	K25	4454	B20		
2452	N28	4460	L27		
2453	N29	4476	F21		
2454	K28	4496	B21		
2455	J28	4498	N 5		
2456	I28	4500	E29		
2467	M25	5303	G22		
2478	M26	5304	F21		
2479	M24	5305	J 8		
2480	N20	5310	I 3		
2869	C10	5345	C 6		
3300	H 7	5346	D 4		
3301	I 7	5370	B11		
3303	J 7	5454	J28		
3304	K 7	5455	J28		
3305	I 8	5456	I28		
3306	J 8	6205	M16		
3310	K 8	6206	M16		
3311	I 3	6207	M16		
3312	I 4	6342	C 5		
3313	H 4	6343	C 5		
3314	H 5	6385	F15		
3315	J 4	6387	C18		
3316	I 3	6450	L26		
3317	J 3	6465	M22		
3323	K11	6478	M27		
3324	K 8	6479	L26		
3325	K11	6480	N21		
3326	L10	7305	I 8		
3327	K11	7311	K 9		
3329	K10	7312	I 5		
3336	F 3	7313	J 5		
3337	E 7	7314	J 6		
3338	B 2	7315	J 3		
3339	B 3	7324	I10		
3342	B 3	7326	L 9		
3344	C 4	7338	F 2		
3346	H12	7340	H13		
3350	D 4	7350	E 4		
3351	E 5	7360	N 5		
3353	D 6	7364	O 9		
3360	M 5	7365	C 8		
3361	N 4	7366	C16		
3369	C11	7390	J14		
3370	B11	7395	I17		
3371	B11	7410	G24		
3372	C11	7430	H22		
3376	H10	7450	N27		
3377	G10	7451	N28		
3380	C12	7471	L27		


J
PIP-MODULE
+12A
7470
BD136/16
9001
+5C
2175
220p
3476
1k5
7472
ON4590
7471
ON4590
7473
BC848
3474
39k
+5
6471
5V6
3475
820
+12C
3105
3k6
3S17
3P17
5S17
5P17
3470
1
9045
+5B
8S17
8P17
+13
+12
3361
2R7
+12A
2340
47u
3345
+12B
2345
3353
3354
270
7350
BC818-40
2350
330u
2351
100u
7S17
7P17
9S17
9P17
2103
33p
3103
3104
2105
120p
2118
680p
2119
150p
5118
10u1
2120
1n2
PAL 2V3
NTSC 0V
SECAM 12V
PAL 0V
NTSC 2V3
SECAM 12V
3100
RES
7105
BC848B
7103
BC848B
3106
10k
3107
3108
PAL 0V7
NTSC 0V
SECAM 0V
PAL 0V5
NTSC 0V
SECAM 0V
3155
390
1155
DL711
5155
7u
2155
10n
4009
5157
8u4
3158
75
3157
330
2158
10n
2161
150n
2162
100n
2125
22n
3156
1k2
2160
220n
7125 2)
TDA4554
7126 1)
TDA4510
10V2
6V2
8V2
2V6
8V5
3V5
(PAL)
SECAM
PAL
NTSC
TDA4510
TDA4650
BK
H
V
TV
IDENT
..MHz
2185
22n
2187
22n
2189
1n
5190
100p
10u3
3V
7V8
4V5
8V4
8V9
3V2
2180
180p
3220
5k1
3221
10k
2220
330n
2222
47n
3222
0
3195
RES
2195
56n
PAL 0V
NTSC 6V1
SECAM 0V
PAL 5V1
NTSC 0V
SECAM 0V
PAL 0V
NTSC 12V
SECAM 12V
3200
10k
3201
3202
2202
2-22p
1201
8.867MHz
4005
7200
BC848B
2201
RES
3211
3212
2212
1212
7.153MHz
7210
BC848B
2211
PAL 12V
NTSC 0V
SECAM 12V
+12D
1600
UV916
F.REF
4MHz
512
DIV
I²C
3618
10
3619
470
2619
330u
2618
10n
1610
OFWG3962
7610
TDA8349
SYSTEM
IDENT
AFC
CVBS
3620
2k2
2620
10n
3622
2k7
18k
3638
3k6
3611
3k3
4634
3610
4k7
3626
RES
3625
510
3621
2M2
2615
2u2
2616
22n
3615
8k2
3636
310
3614
12k
3612
12k
3613
10k
2623
22n
7235
BC848B
3616
16
3635
5k6
3617
1k
3632
1k
3630
100
3605
22k
2P51
2622
10n
3600
10k
3601
10k
2621
22n
2604
150u
3604
1
1P54
+5B
3602
100
3603
100
2614
47u
SDA
SCL
10P17
10S17
CVBS

Picture in Picture Bild im Bild

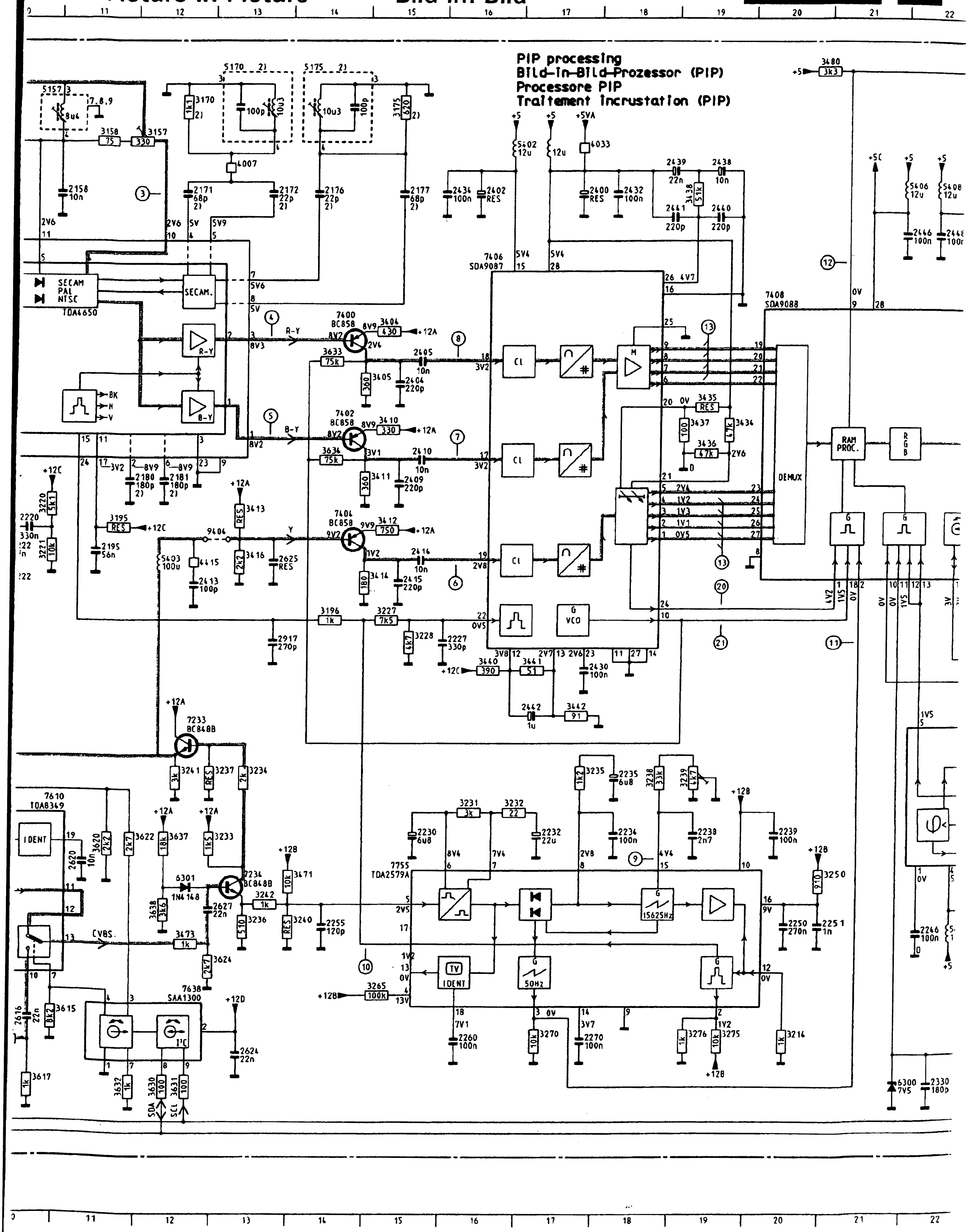
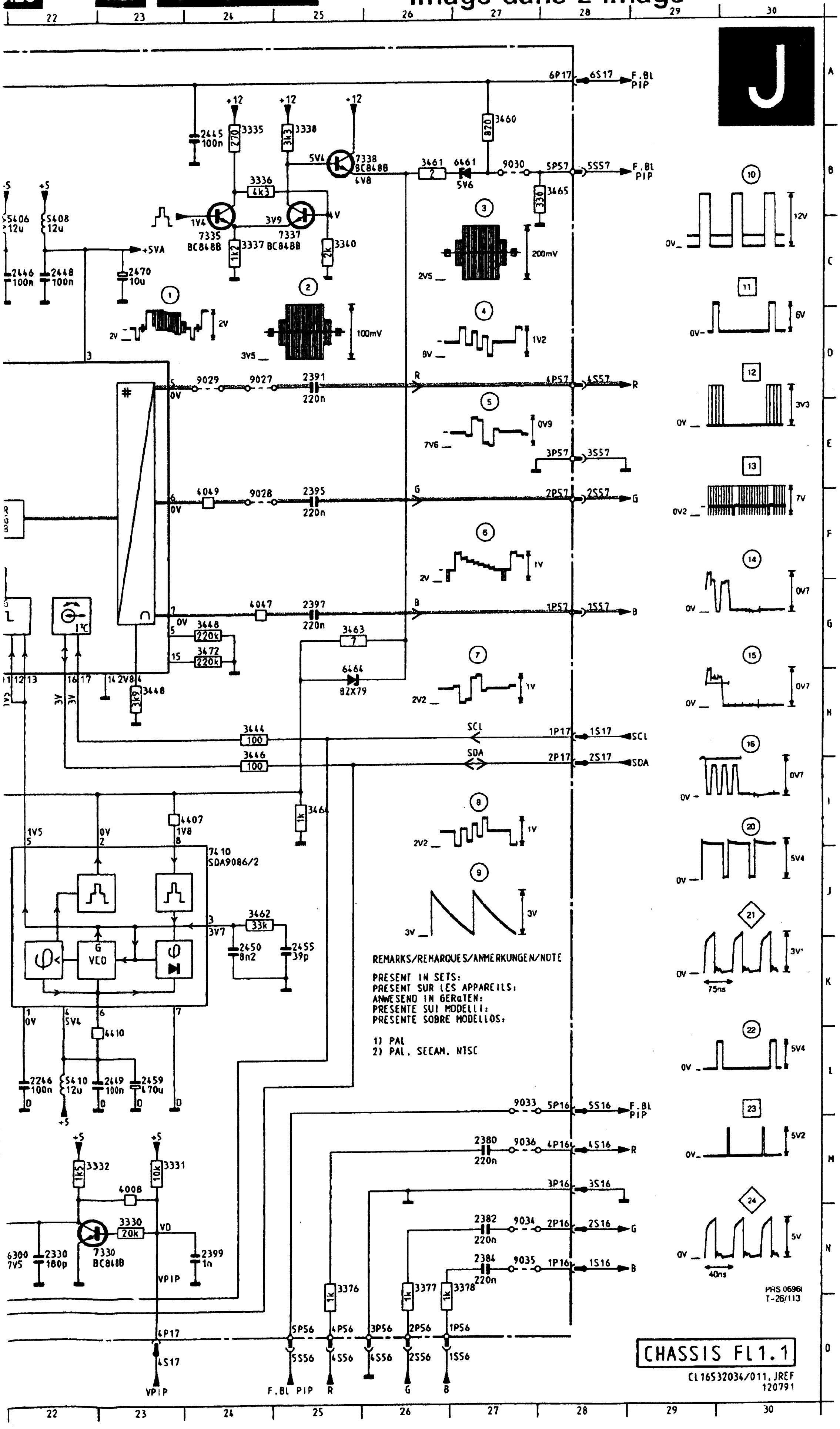

PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)
10 11 12 13 14 15 16 17 18 19 20 21 22
5157 8u4 7,8,9
3158 75
3157 330
2158 10n
5170 2) 100p 10u3
5175 2) 10u3 100p
3170 1k1 2)
3175 620 2)
4007
2171 68p 2)
2172 22p 2)
2176 22p 2)
2177 68p 2)
③
2V6 5V 5V9
SECAM PAL NTSC
TDA4650
SECAM.
R-Y
B-Y
BK H V
5V6 5V 8V3 8V2
④ R-Y
⑤ B-Y
7400 BC858 8V9 3404 430 +12A 8V2 2V4
3633 75k
3405 360
2405 10n
2404 220p
7402 BC858 8V9 3410 330 +12A 8V2
3634 75k 3V1
3411 360
2410 10n
2409 220p
7404 BC858 9V9 3412 750 +12A 9V2 1V2
2414 10n
2415 220p
3414 180
⑥ ⑦ ⑧
3V2 3V2 2V8
+5 +5 +5VA
5402 12u 12u 4033
2434 100n
2402 RES
2400 RES
2432 100n
2439 22n
2438 10n
3438 51k
2441 220p
2440 220p
7406 SDA9087
5V4 15 5V4 28
26 4V7 16 25
CL CL CL
M
20 0V 3435 RES
3437 100
3434 47k
3436 47k 2V6
D
21
2V4 1V2 1V3 1V1 0V5
⑬ ⑬
DEMUX
RAM PROC.
R G B
G VCO
24 10
⑳ ㉑ ⑪ ⑫
3480 3k3 +5
7408 SDA9088
0V 9 28
+5C +5 +5
5406 12u
5408 12u
2446 100n
2448 100n
4V2 1V5 0V 18 2
0V 1V5 10 11 12 13
3V
1V5
+12C
3220 5k1
2220 330n
3221 10k
3195 RES +12C
2195 56n
2180 180p 2)
2181 180p 2)
3V2 8V9 8V9
+12A
3413 RES
9404
5403 100u
4415
2413 100p
3416 2k2
2625 RES
3196 1k
3227 7k5
3228 4k7
2227 330p
2917 270p
0V5
3V8 12 2V7 13 2V6 23 11 27 14
3440 390 +12C
3441 51
2430 100n
2442 1u
3442 91
+12A
7233 BC848B
3241 3k
3237 RES
3234 2k
7610 TDA8349
IDENT
3620 2k2
2620 10n
3622 2k7
+12A 3637 18k
+12A 3233 1k5
6301 1N4148
7234 BC848B
3638 3k6
2627 22n
3262 1k
3236 510
3624 2k7
+12B
3471 10k
3240 RES
2255 120p
CVBS.
3473 1k
7638 SAA1300
+12D
2624 22n
2616 22n
3615 8k2
3617 1k
3632 1k
3630 100
3631 100
SDA SCL
I²C
3231 3k
3232 22
2230 6u8
2232 22u
3235 1k2
2235 6u8
3238 33k
3239 4k7
2234 100n
2238 2n7
+12B
2239 100n
8V4 7V4 2V8 ⑨ 4V4
7755 TDA2579A
2V5
15625Hz
50Hz
TV IDENT
1V2 0V 13V
+12B 3265 100k
⑩
18 7V1
2260 100n
3 0V 14 3V7
3270 10k
2270 100n
3276 1k
3275 10k 1V2
+12B
3214 1k
+12B
3250 910
9V
2250 270n
2251 1n
12 0V
6300 7V5
2330 180p
2246 100n
+5

Image dans L'image

J


22
23
24
25
26
27
28
29
30
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
6P17
6S17
F.BL PIP
5P57
5S57
F.BL PIP
+12
3335
270
3338
3k3
2445
100n
7338
BC848B
5V4
4V8
3461
2
6461
5V6
9030
3460
820
3465
330
3336
4k3
1V4
7335
BC848B
3V9
7337
BC848B
4V
3337
1k2
3340
2k
+5
5406
12u
5408
12u
2446
100n
2448
100n
+5VA
2470
10u
2V
100mV
3V5
200mV
2V5
1V2
8V
0V9
7V6
1V
2V
1V
2V2
1V
2V2
3V
3V
12V
0V
6V
0V
3V3
0V
7V
0V2
0V7
0V
0V7
0V
0V7
0V
5V4
0V
3V
0V
75ns
5V4
0V
5V2
0V
5V
0V
40ns
9029
9027
2391
220n
R
4P57
4S57
3P57
3S57
4049
9028
2395
220n
G
2P57
2S57
4047
2397
220n
B
1P57
1S57
3448
220k
3472
220k
3463
7
6464
BZX79
3448
3k9
3444
100
SCL
1P17
1S17
3446
100
SDA
2P17
2S17
3464
1k
4407
1V8
1V5
0V
7410
SDA9086/2
3462
33k
3V7
2450
8n2
2455
39p
VCO
1
0V
5V4
4410
2246
100n
5410
12u
2449
100n
2459
470u
9033
5P16
5S16
F.BL PIP
2380
220n
9036
4P16
4S16
R
3P16
3S16
2382
220n
9034
2P16
2S16
G
2384
220n
9035
1P16
1S16
B
+5
3332
1k5
3331
10k
4008
3330
20k
VD
6300
7V5
2330
180p
7330
BC848B
2399
1n
VPIP
3376
1k
3377
1k
3378
1k
4P17
4S17
VPIP
5P56
5S56
F.BL PIP
4P56
4S56
R
3P56
4S56
2P56
2S56
G
1P56
1S56
B
PRS 06961
T-26/113

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

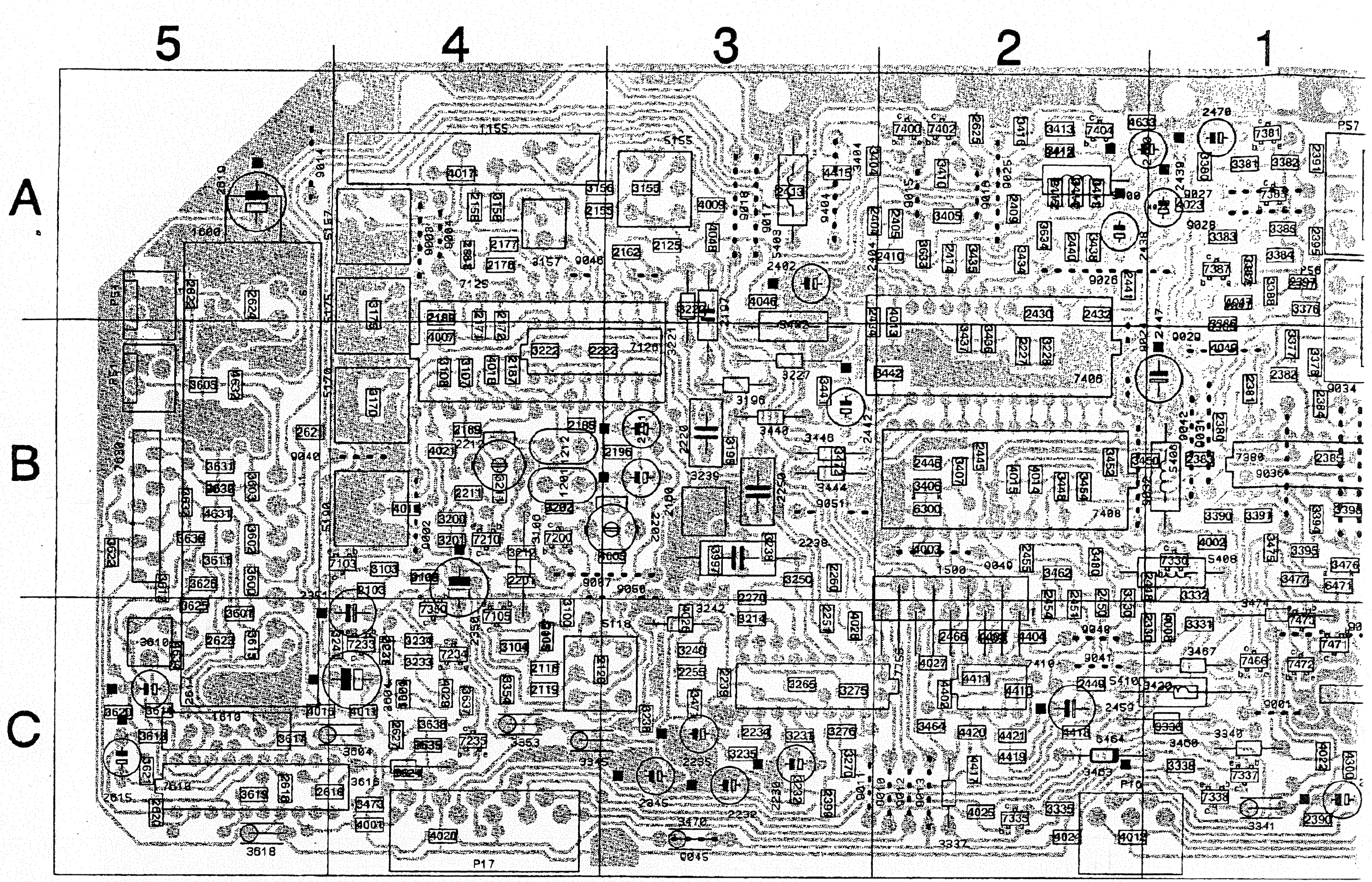
1) PAL
2) PAL, SECAM, NTSC

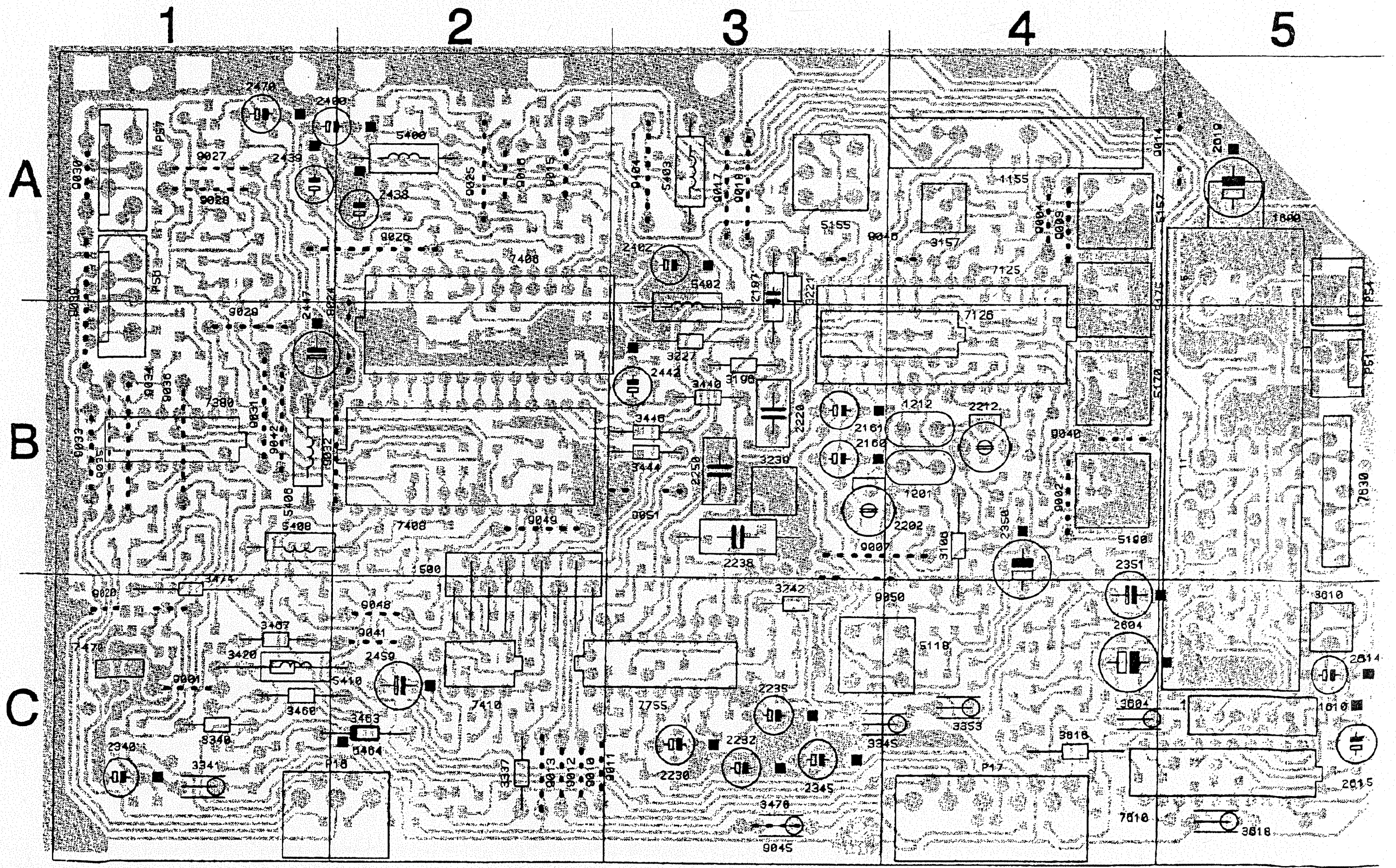
CHASSIS FL1.1

CL 16532034/011.JREF
120791

1155	A 9	3212	I 9	5155	A 8
1201	H 9	3214	M20	5157	A10
1212	I 9	3220	G10	5170	A13
1600	J 2	3221	G10	5175	A14
1610	K 6	3222	G10	5190	G 8
2103	D 4	3227	H15	5402	B16
2105	D 5	3228	H15	5403	G12
2118	D 6	3231	J16	5406	C21
2119	D 6	3232	J16	5408	C22
2120	D 6	3233	K13	5410	L22
2125	C 9	3234	J13	6300	N21
2155	B 8	3235	J17	6301	K12
2158	C11	3236	L13	6461	B27
2160	C 7	3237	J13	6464	H25
2161	C 7	3238	J18	6471	B 3
2162	C 8	3239	J19	7103	E 4
2171	C12	3240	L14	7105	E 5
2172	C13	3241	J12	7125	C 8
2175	B 3	3242	L13	7126	C 8
2176	C14	3250	K21	7200	H 8
2177	C15	3265	M15	7210	I 8
2180	F11	3270	M17	7233	I12
2181	F12	3275	M19	7234	K13
2185	F 8	3276	M19	7235	N 9
2187	F 8	3330	N23	7330	N22
2189	F 9	3331	M23	7335	C24
2195	G11	3332	M22	7337	C25
2201	H 7	3335	A24	7338	B25
2202	H 9	3336	B24	7350	H 3
2211	I 7	3337	C24	7400	D14
2212	I 9	3338	A25	7402	E14
2220	G10	3340	C25	7404	G14
2222	G10	3341	F 2	7406	C16
2227	H16	3345	G 2	7408	D20
2230	K15	3353	G 2	7410	I24
2232	K17	3354	H 2	7470	A 4
2234	K18	3376	N25	7471	B 4
2235	J18	3377	N26	7472	B 5
2238	K19	3378	N27	7473	B 5
2239	K20	3404	D15	7610	J11
2246	L22	3405	E15	7638	M12
2250	L20	3410	F15	7755	K15
2251	L21	3411	F15	9001	A 5
2255	L14	3412	G15	9027	D24
2260	M16	3413	G13	9028	F24
2270	M17	3414	G15	9029	D24
2330	N22	3416	G13	9030	B27
2340	F 2	3434	E19	9033	L27
2345	G 2	3435	E19	9034	N27
2350	I 2	3436	F19	9035	N27
2351	I 3	3437	E19	9036	M27
2380	M27	3438	C19	9045	E 2
2382	N27	3440	I16	9404	G13
2384	N27	3441	I17		
2391	D25	3442	I17		
2395	F25	3444	H24		
2397	G25	3446	H24		
2399	N24	3448	H23		
2400	C17	3448	G24		
2402	C16	3460	A27		
2404	E15	3461	B26		
2405	E15	3462	J24		
2409	F15	3463	G25		
2410	F15	3464	I25		
2413	H12	3465	B28		
2414	G15	3470	D 2		
2415	H15	3471	K14		
2430	I17	3472	G24		
2432	C18	3473	L12		
2434	C16	3474	B 5		
2438	B19	3475	B 5		
2439	B18	3476	B 3		
2440	C19	3480	A20		
2441	C18	3600	M 3		
2442	I17	3601	N 3		
2445	B24	3602	N 5		
2446	C22	3603	N 5		
2448	C22	3604	N 4		
2449	L23	3605	M 2		
2450	K24	3610	M 7		
2455	K25	3611	M 6		
2459	L23	3612	N 8		
2470	C23	3613	N 7		
2604	N 4	3614	N 6		
2614	N 5	3615	M11		
2615	M 9	3616	M10		
2616	M10	3617	N10		
2618	K 7	3618	J 8		
2619	K 6	3619	J 9		
2620	K11	3620	K11		
2621	N 3	3621	M 8		
2622	N 2	3622	K12		
2623	N 8	3624	L13		
2624	N13	3625	M 6		
2625	G13	3626	M 6		
2627	L13	3630	N12		
2917	M13	3631	N12		
3100	E 5	3632	N11		
3103	C 5	3633	E14		
3104	C 5	3634	F14		
3105	C 5	3635	N10		
3106	E 6	3636	M 6		
3107	E 6	3637	K12		
3108	E 6	3638	L12		
3155	A 8	4005	H 8		
3156	B 9	4007	B13		
3157	B12	4008	M23		
3158	B11	4009	B 8		
3170	A12	4033	B17		
3175	A15	4047	G24		
3195	G11	4049	F24		
3196	H14	4407	I23		
3200	H 7	4410	L23		
3201	H 7	4415	G12		
3202	G 9	4634	M 7		
3211	I 7	5118	D 5		

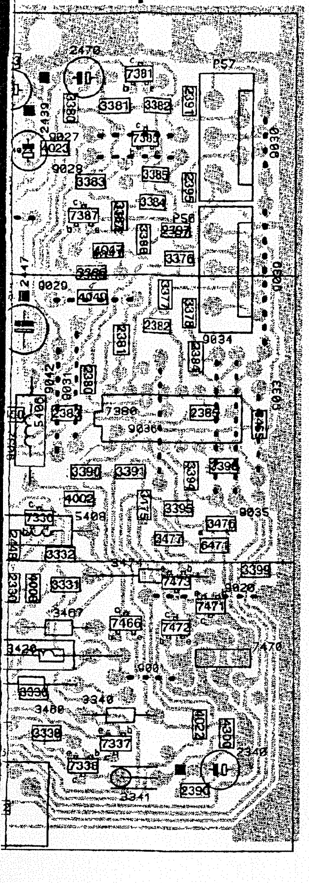
Picture in picture / Bild im Bild /


5
4
3
2
1
A
B
C
1155
5155
1600
7125
7400
7406
7408
1500
7410
P57
P58
P17
P18
3618
9045
3476
3337

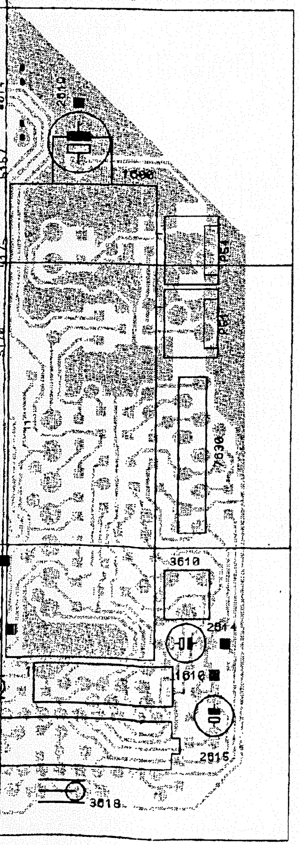

1
2
3
4
5
A
B
C
P57
P58
5400
7400
7408
7410
1500
1155
5155
7125
7126
P17
P18
7610
3618
9045
3476

CHASSIS FL1.1 Image dans l'image

1

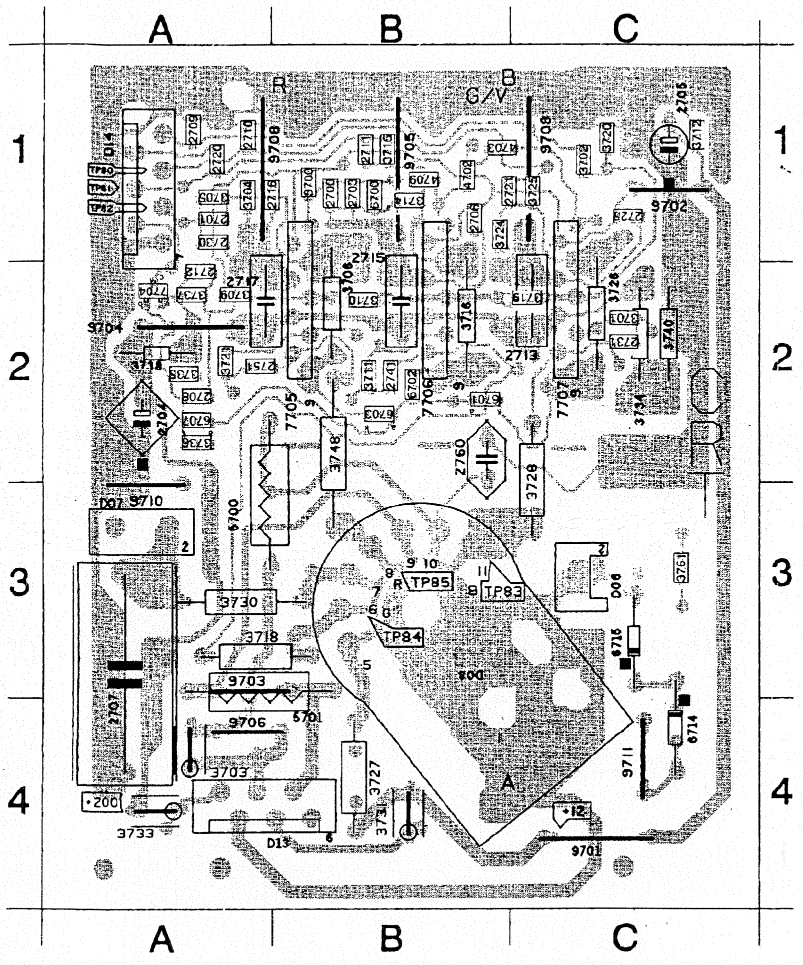

2470
7381
P57
3381
3382
2391
2439
4023
9027
7383
9028
3383
3385
3384
2395
7387
P56
2397
4047
3376
9029
3386
4048
3377
3378
2382
9034
5400
7380
2385
9036
3390
3391
3394
4002
3395
3476
9035
7330
5408
2332
7477
6471
3331
7473
3399
9020
7471
3467
7466
7472
3420
7470
3340
3480
7337
3338
7338
2340
2390
3341

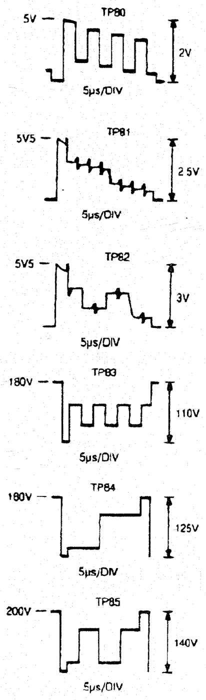
5


2610
1600
3610
2614
1610
2615
3618

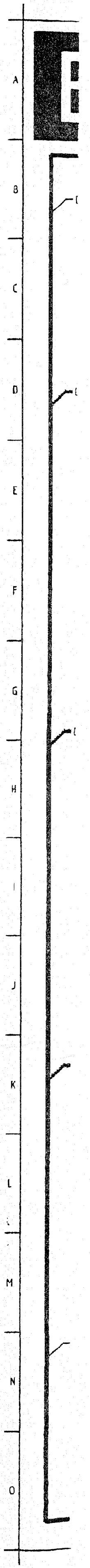
P16	C1	2432	A2	3335	C2	3615	C5	5410	C1
P17	C4	2434	A3	3336	C1	3616	C4	6300	B2
P51	B5	2438	A2	3337	C2	3617	C5	6301	C4
P54	A5	2439	A2	3338	C1	3618	C5	6464	C2
P56	B1	2440	A2	3340	C1	3619	C5	6471	B1
P57	A1	2441	A2	3341	C1	3620	C5	7103	B5
1155	A4	2442	B3	3345	C4	3621	C5	7105	C4
1201	B4	2445	B2	3353	C4	3622	B5	7125	A4
1212	B4	2446	B2	3354	C4	3624	C4	7126	A4
1500	B2	2447	B2	3376	A1	3625	B5	7200	B4
1600	B5	2448	B2	3377	B1	3626	B5	7210	B4
1610	C5	2449	C2	3378	B1	3630	B5	7233	C4
2103	B4	2450	B2	3380	A1	3631	B5	7234	C4
2105	C4	2451	B2	3381	A1	3632	B5	7235	C4
2118	C4	2454	B2	3382	A1	3633	A2	7330	B1
2119	C4	2455	B2	3383	A1	3634	A2	7335	C2
2120	C4	2459	C2	3384	A1	3635	C4	7337	C1
2125	A3	2466	C2	3385	A1	3636	B5	7338	C1
2155	A4	2470	A1	3386	A1	3637	C4	7350	B4
2158	A4	2604	C4	3387	A1	3638	C4	7380	B1
2160	B3	2614	C5	3388	A1	3997	B3	7381	A1
2161	B3	2615	C5	3390	B1	4001	C4	7385	A1
2162	A3	2616	C5	3391	B1	4002	B1	7387	A1
2171	A4	2618	C5	3394	B1	4003	B2	7400	A2
2172	A4	2619	A5	3395	B1	4005	B4	7402	A2
2176	A4	2620	C5	3398	B1	4007	B4	7404	A2
2177	A4	2621	B5	3399	B1	4008	C1	7406	B2
2180	A4	2622	A5	3404	A3	4009	A3	7408	B2
2181	A4	2623	C5	3405	A2	4011	C4	7410	C2
2185	B4	2624	A5	3406	B2	4012	C2	7466	C1
2187	B4	2625	A2	3407	B2	4013	A3	7470	C1
2189	B4	2627	C4	3410	A2	4014	B2	7471	C1
2196	B4	3100	B4	3411	A2	4015	B2	7472	C1
2197	A3	3103	B4	3412	A2	4016	C5	7473	C1
2201	B4	3104	C4	3413	A2	4017	A4	7610	C5
2202	B4	3105	B4	3414	A2	4018	B4	7630	B5
2211	B4	3106	B4	3416	A2	4019	B4	7755	C3
2212	B4	3107	B4	3420	C1	4020	C4	9001	C1
2220	B3	3108	B4	3434	A2	4021	B4	9002	B4
2222	B4	3155	A3	3435	A2	4022	C1	9003	A4
2227	B2	3156	A4	3436	B2	4023	A1	9004	A4
2230	C3	3157	A4	3437	B2	4024	C2	9007	B4
2232	C3	3158	A4	3438	A2	4025	C2	9010	C2
2234	C3	3170	B4	3440	B3	4026	C3	9011	C3
2235	C3	3175	A4	3441	B3	4027	C2	9012	C2
2238	B3	3195	B3	3442	B3	4028	C3	9013	C2
2239	C3	3196	B3	3444	B3	4029	C4	9014	A5
2250	B3	3200	B4	3446	B3	4046	A3	9015	A2
2251	C3	3201	B4	3448	B2	4047	A1	9016	A2
2255	C3	3202	B4	3450	B2	4048	A3	9017	A3
2260	B3	3211	B4	3452	B2	4049	B1	9018	A3
2270	B3	3212	B4	3454	B2	4300	C1	9020	C1
2330	C2	3214	C3	3460	C1	4402	C2	9024	B2
2340	C1	3220	A3	3462	B2	4403	C2	9025	A2
2345	C3	3221	A3	3463	C2	4404	C2	9026	A2
2350	B4	3222	B4	3464	C2	4410	C2	9027	A1
2351	B4	3227	B3	3465	B1	4411	C2	9028	A1
2380	B1	3228	B2	3467	C1	4415	A3	9029	B1
2381	B1	3231	C3	3470	C3	4417	C2	9030	A1
2382	B1	3232	C3	3471	C3	4418	C2	9031	B1
2383	B1	3233	C4	3472	B3	4419	C2	9032	B2
2384	B1	3234	C4	3473	C4	4420	C2	9033	B1
2385	B1	3235	C3	3474	B1	4421	C2	9034	B1
2390	C1	3236	C3	3475	B1	4631	B5	9035	B1
2391	A1	3237	C4	3476	B1	4632	B5	9036	B1
2395	A1	3238	B3	3477	B1	4633	A2	9039	A1
2397	A1	3239	B3	3480	B2	4634	C5	9040	B4
2399	C3	3240	C3	3600	B5	5118	C4	9041	C2
2400	A2	3241	C5	3601	B5	5155	A3	9042	B1
2402	A3	3242	C3	3602	B5	5157	A4	9046	A4
2404	A3	3250	B3	3603	B5	5170	B4	9048	C2
2405	A2	3265	C3	3604	C4	5175	B4	9049	B2
2409	A2	3270	C3	3605	B5	5190	B4	9050	B3
2410	A3	3275	C3	3610	C5	5400	A2	9051	B3
2413	A3	3276	C3	3611	B5	5402	A3	9404	A3
2414	A2	3330	B2	3612	B5	5403	A3		
2415	A2	3331	C1	3613	C5	5406	B1		
2430	A2	3332	B1	3614	C5	5408	B1		

Picture tube panel / Bildröhren Platte /

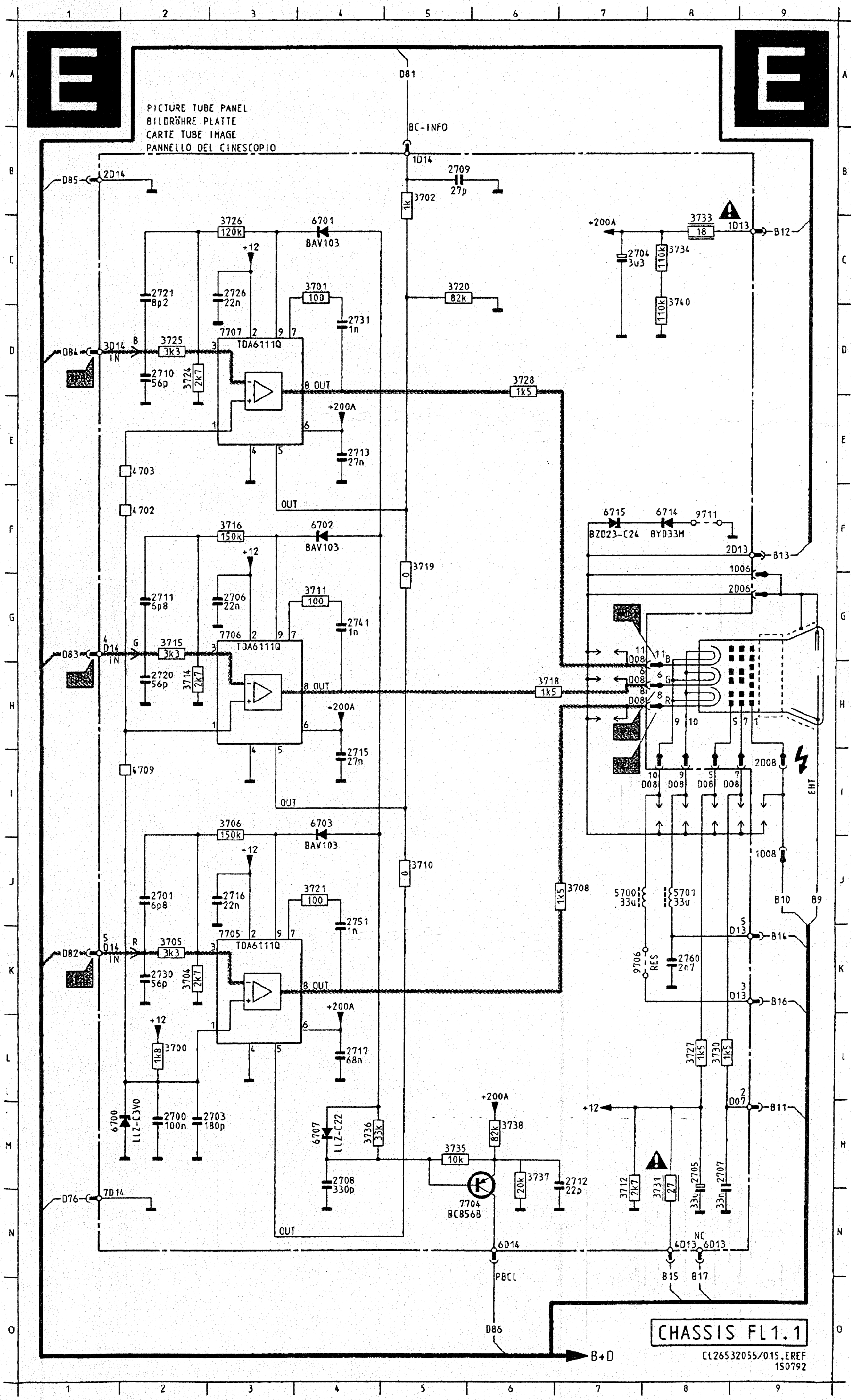

A
B
C
1
2
3
4
R
G/V
B
D14
TP80
TP81
TP82
2709
2720
2710
9708
2716
3704
9705
9708
2705
3712
9702
3709
2701
2730
2712
2717
2715
3706
3710
3714
3716
2713
3719
3726
2731
3740
9704
3734
7705
7706
7707
3748
2760
3728
6700
D07 9710
9 10
TP85
TP83
TP84
D06
3761
3730
3718
9703
9706
5701
2707
3703
6715
6714
9711
3727
3731
D13
200
3733
12
9701
D08



D06	C3	3702	C1	3748	B2
D07	A3	3703	A4	3761	C3
D08	B3	3704	A1	4702	B1
D13	A4	3705	A1	4703	B1
D14	A1	3706	B2	4709	B1
2700	B1	3709	A2	5700	A3
2701	A1	3710	B2	5701	A3
2703	B1	3711	B2	6700	B1
2704	A2	3712	C1	6701	B2
2705	C1	3714	B1	6702	B2
2706	B1	3715	B1	6703	B2
2707	A3	3716	B2	6707	A2
2708	A2	3718	A3	6714	C3
2710	A1	3719	C2	6715	C3
2711	B1	3720	C1	7704	A2
2712	A2	3721	A2	7705	B1
2713	C2	3724	B1	7706	B1
2715	B2	3725	C1	7707	C1
2716	A1	3726	C2	9701	C4
2717	A2	3727	B4	9702	C1
2720	A1	3728	C2	9703	A3
2721	B1	3730	A3	9704	A2
2726	C1	3731	B4	9705	B1
2730	A1	3733	A4	9706	A4
2731	C2	3734	C2	9708	A1
2741	B2	3735	A2	9709	C1
2751	A2	3736	A2	9710	A2
2760	B2	3737	A2	9711	C3
3700	B1	3738	A2		
3701	C2	3740	C2		

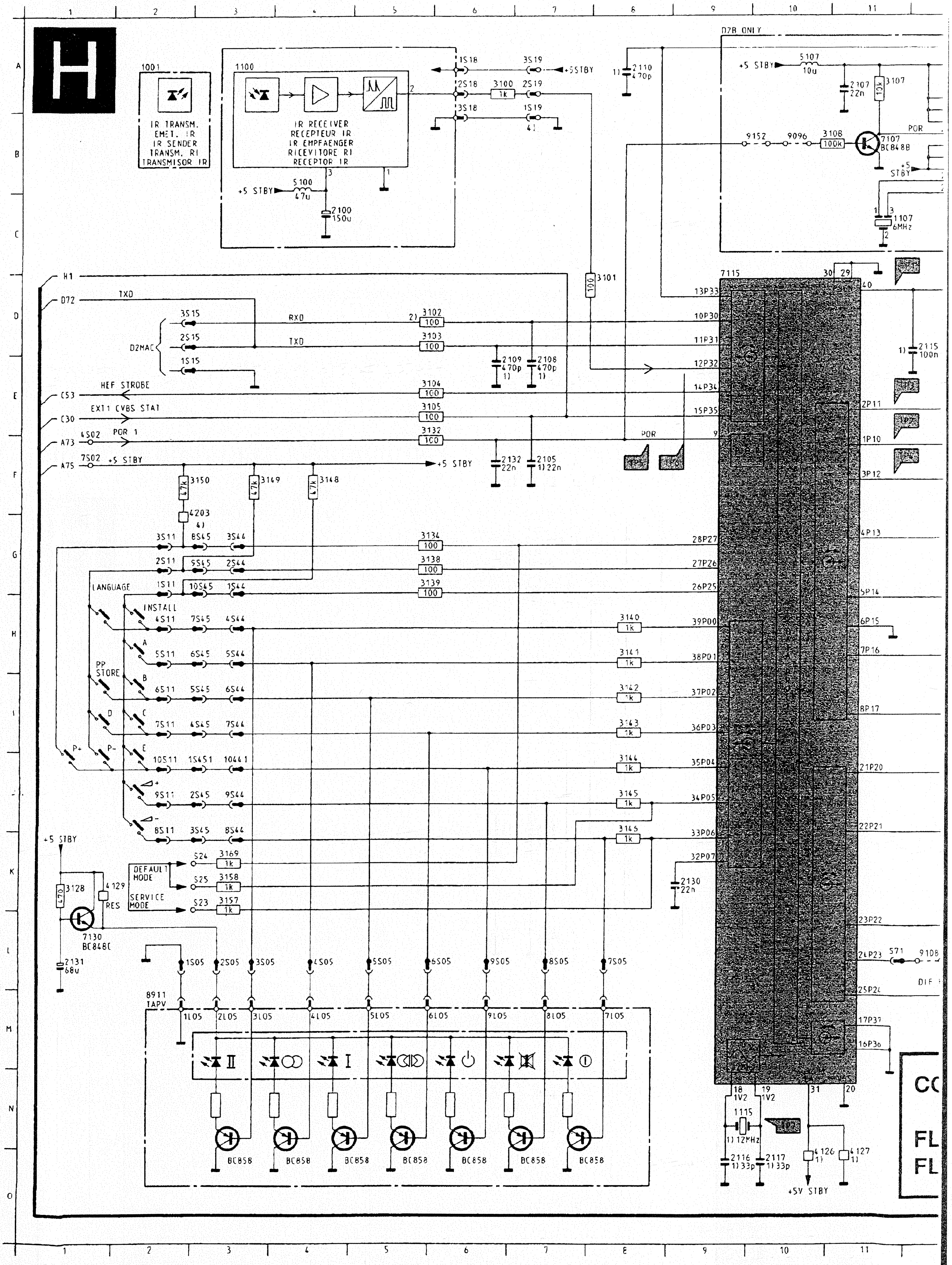

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

6.31 CHASSIS FL1.1 Platine TRC


1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
E
E
PICTURE TUBE PANEL
BILDRÖHRE PLATTE
CARTE TUBE IMAGE
PANNELLO DEL CINESCOPIO
D81
BC-INFO
1D14
2709
27p
3702
1k
D85
2D14
3726
120k
6701
BAV103
+12
2721
8p2
2726
22n
3701
100
2731
1n
3720
82k
7707
TDA6111Q
D84
3D14
IN
B
3725
3k3
2710
56p
3724
2k7
8 OUT
+200A
2713
27n
OUT
3728
1k5
4703
4702
3716
150k
6702
BAV103
2711
6p8
2706
22n
3711
100
2741
1n
3719
0
7706
TDA6111Q
D83
4
D14
IN
G
3715
3k3
2720
56p
3714
2k7
2715
27n
3718
1k5
4709
3706
150k
6703
BAV103
2701
6p8
2716
22n
3721
100
2751
1n
3710
0
7705
TDA6111Q
D82
5
D14
IN
R
3705
3k3
2730
56p
3704
2k7
2717
68n
3708
1k5
3700
1k8
6700
LLZ-C3V0
2700
100n
2703
180p
6707
LLZ-C22
3736
33k
2708
330p
3735
10k
3738
82k
7704
BC856B
3737
20k
2712
22p
D76
7D14
6D14
PBCL
D86
B+D
+200A
3733
18
1D13
B12
2704
3u3
3734
110k
3740
110k
6715
BZD23-C24
6714
BYD33M
9711
2D13
B13
1D06
2D06
11
D08
G
B
R
6
8
9
10
5
7
1
2D08
EHT
1D08
5700
33u
5701
33u
B10
B9
5
D13
B14
9706
RES
2760
2n7
3
D13
B16
3727
1k5
3730
1k5
2
D07
B11
+12
3712
2k7
3731
27
2705
33u
2707
33n
NC
4D13
6D13
B15
B17
CHASSIS FL1.1
CL26532055/015.EREF
150792

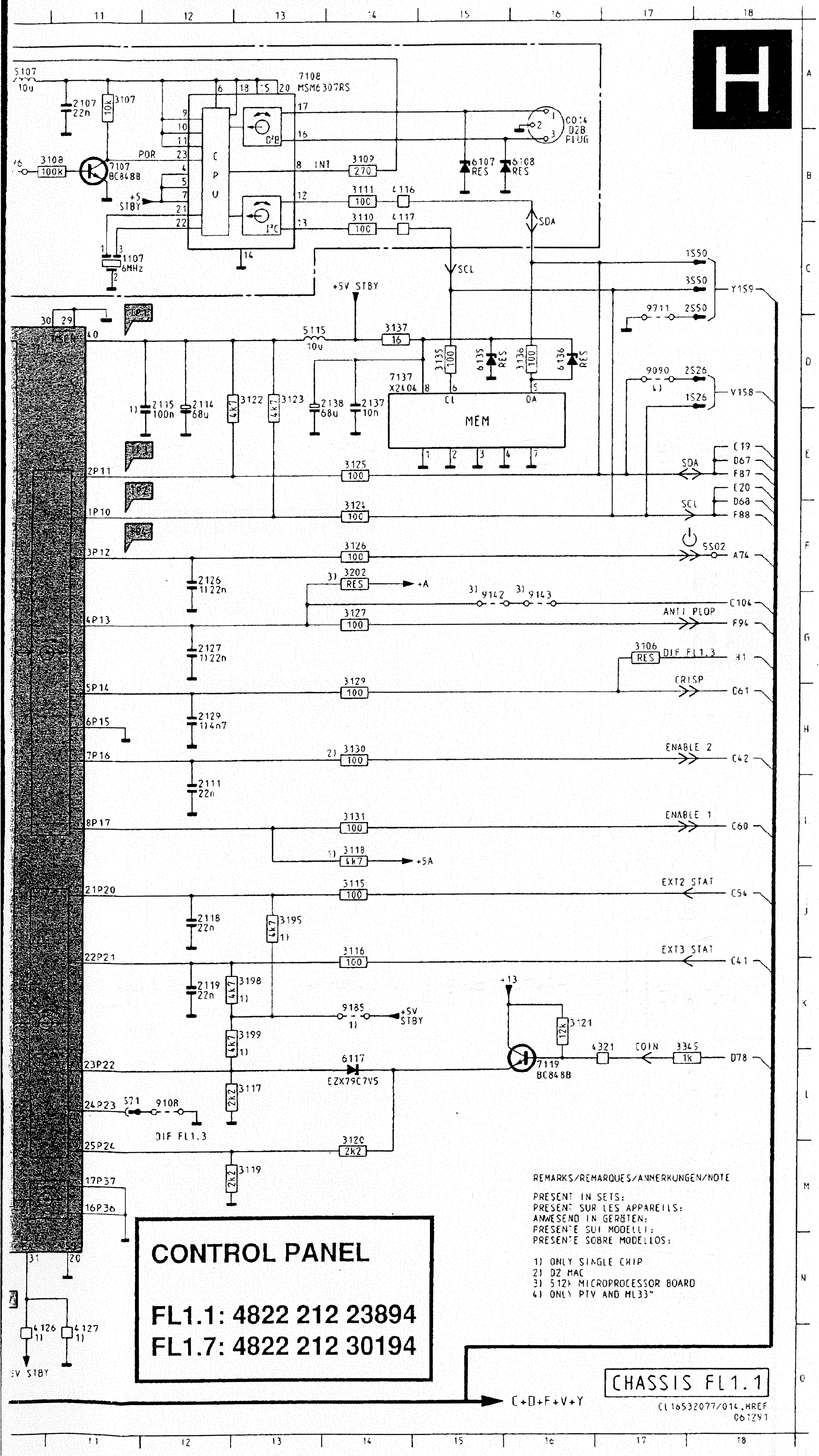
2700	M 2
2701	J 2
2703	M 2
2704	C 7
2705	M 8
2706	G 3
2707	M 8
2708	M 4
2709	B 5
2710	D 2
2711	G 2
2712	M 7
2713	E 4
2715	I 4
2716	J 3
2717	L 4
2720	H 2
2721	C 2
2726	C 3
2730	K 2
2731	D 4
2741	G 4
2751	K 4
2760	K 8
3700	L 2
3701	C 4
3702	B 5
3704	K 2
3705	K 2
3706	I 3
3708	J 7
3710	J 5
3711	G 4
3712	M 7
3714	H 2
3715	G 2
3716	F 3
3718	H 6
3719	F 5
3720	C 5
3721	J 4
3724	D 2
3726	C 3
3727	L 8
3728	D 6
3730	L 8
3731	M 8
3733	C 8
3734	C 8
3735	M 5
3736	M 4
3737	M 6
3738	M 6
3740	C 8
4702	F 2
4703	E 2
4709	I 2
5700	J 7
5701	J 8
6700	M 1
6701	C 4
6702	F 4
6703	I 4
6707	M 4
6714	F 8
6715	F 7
7704	N 6
7705	K 3
7706	G 3
7707	D 3
9706	K 7
9711	F 8

Control / Bedienung / Commande


H
1001
IR TRANSM.
EMET. IR
IR SENDER
TRANSM. RI
TRANSMISOR IR
1100
IR RECEIVER
RECEPTEUR IR
IR EMPFAENGER
RICEVITORE RI
RECEPTOR IR
+5 STBY
5100
47u
2100
150u
1S18
2S18
3S18
3S19
2S19
1S19
3100
1k
+5STBY
2110
470p
D2B ONLY
+5 STBY
5107
10u
2107
22n
3107
10k
POR
9152
9096
3108
100k
7107
BC848B
1107
6MHz
7115
H1
D72
TXD
RXD
3S15
2S15
1S15
D2MAC
3101
100
3102
3103
2109
470p
2108
470p
HEF STROBE
C53
EXT1 CVBS STAT
C30
4S02
POR 1
A73
7S02
+5 STBY
A75
3104
3105
3132
2132
22n
2105
22n
3150
47k
3149
3148
4203
3S11
8S45
3S44
2S11
5S45
2S44
LANGUAGE
1S11
10S45
1S44
INSTALL
4S11
7S45
4S44
3134
3138
3139
3140
3141
3142
3143
3144
3145
3146
1k
13P33
10P30
11P31
12P32
14P34
15P35
28P27
27P26
26P25
39P00
38P01
37P02
36P03
35P04
34P05
33P06
32P07
2P11
1P10
3P12
4P13
5P14
6P15
7P16
8P17
21P20
22P21
23P22
24P23
25P24
17P37
16P36
2115
100n
PP STORE
P+
P-
A
B
C
D
E
5S11
6S45
5S44
6S11
5S45
6S44
7S11
4S45
7S44
10S11
15S51
10441
9S11
2S45
9S44
8S11
3S45
8S44
S24
3169
DEFAULT MODE
S25
3158
SERVICE MODE
S23
3157
3128
470
4129
RES
7130
BC848C
2131
68u
1S05
2S05
3S05
4S05
5S05
6S05
9S05
8S05
7S05
8911
TAPV
1L05
2L05
3L05
4L05
5L05
6L05
9L05
8L05
7L05
BC858
1115
12MHz
2116
33p
2117
33p
4126
4127
+5V STBY
S71
9108
DIF
CC
FL
FL

6.32 6.33 CHASSIS FL1.1

H



7108 MSM6307RS
CPU
D²B
I²C
MEM
7137 X2404
CO14 D2B PLUG
5107 10u
2107 22n
3107 10k
3108 100k
7107 BC848B
POR
+5 STBY
1107 6MHz
3109 270
INT
3111 100
3110 100
4116
4117
SDA
SCL
6107 RES
6108 RES
+5V STBY
5115 10u
3137 16
3135 100
3136 100
6135 RES
6136 RES
2115 100n
2114 68u
3122 4k7
3123 4k7
2138 68u
2137 10n
1S50
3S50
2S50
9711
9090
2S26
1S26
Y159
V158
2P11
1P10
3P12
4P13
5P14
6P15
7P16
8P17
21P20
22P21
23P22
24P23
25P24
17P37
16P36
3125 100
3124 100
3126 100
3127 100
3129 100
3130 100
3131 100
3115 100
3116 100
3202 RES
+A
9142
9143
ANTI PLOP
3106 RES
DIF FL1.3
CRISP
ENABLE 2
ENABLE 1
3118 4k7
+5A
EXT2 STAT
EXT3 STAT
2126 22n
2127 22n
2129 4n7
2111 22n
2118 22n
2119 22n
3195 4k7
3198 4k7
3199 4k7
3117 2k2
3120 2k2
3119 2k2
9185
6117 EZX79C7V5
+13
3121 12k
7119 BC848B
4321
COIN
3345 1k
S502
571
9108
DIF FL1.3
4126
4127
5V STBY
C19
D67
F87
C20
D68
F88
A74
C104
F94
H1
C61
C42
C60
C54
C41
D78
C+D+F+V+Y
CL 16532077/014.HREF 061291

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

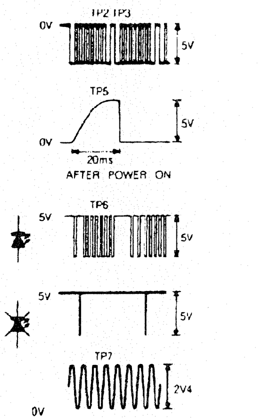
1) ONLY SINGLE CHIP
2) D2 MAC
3) 512k MICROPROCESSOR BOARD
4) ONLY PTV AND ML33"

CONTROL PANEL

FL1.1: 4822 212 23894
FL1.7: 4822 212 30194

CHASSIS FL1.1

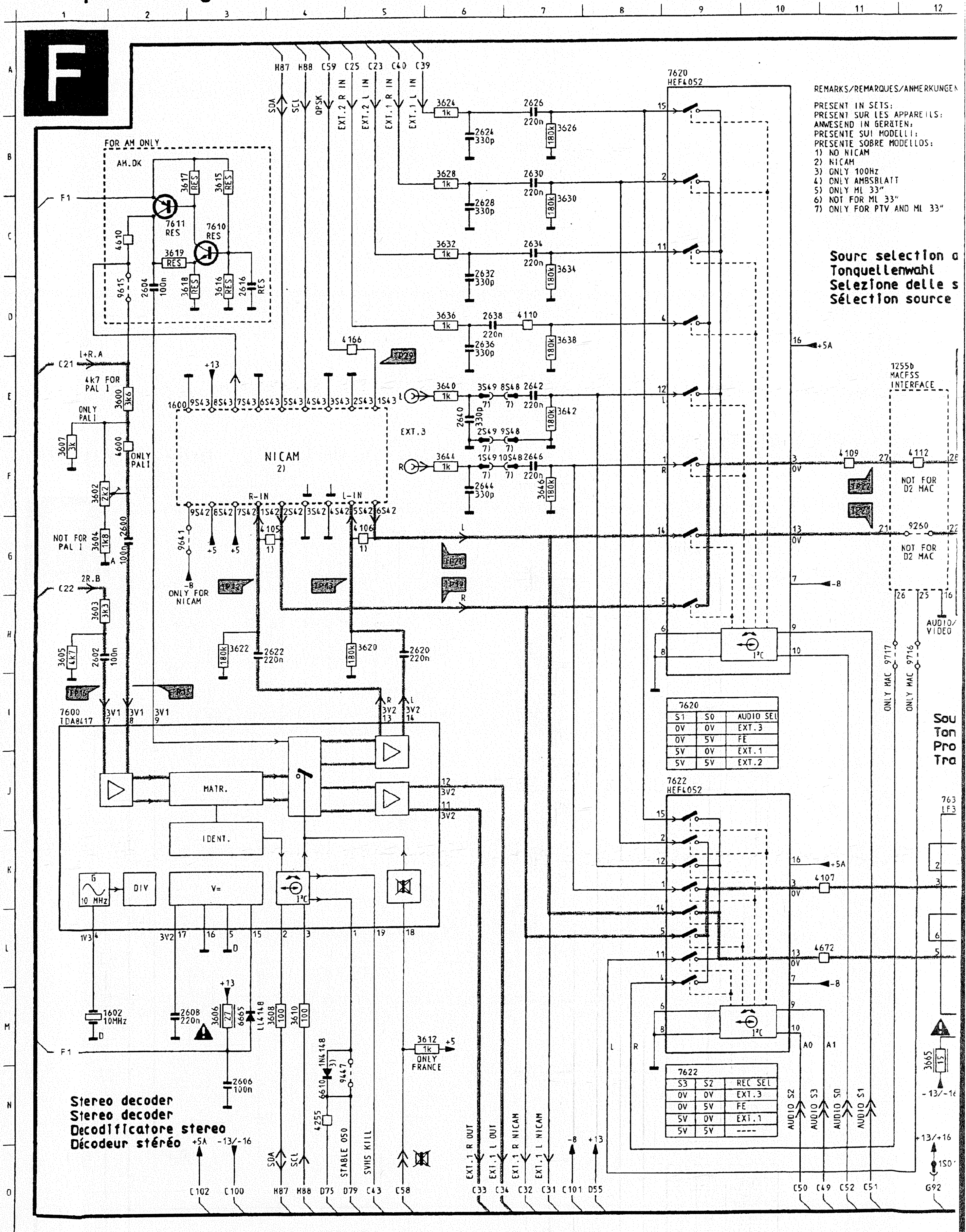
0014	A16
1001	A 2
1100	A 3
1107	C11
1115	N 9
2100	C 4
2105	F 7
2107	A11
2108	E 7
2109	E 6
2110	A 3
2111	I12
2114	D12
2115	D12
2116	D 9
2117	D10
2118	J12
2119	K12
2126	F12
2127	G12
2129	H12
2130	K 9
2131	L 1
2132	F 6
2137	D14
2138	D13
3100	A 6
3101	D 8
3102	D 5
3103	D 5
3104	E 5
3105	E 5
3106	G17
3107	A11
3108	B11
3109	B14
3110	B14
3111	B14
3115	J14
3116	J14
3117	L13
3118	I14
3119	M13
3120	M14
3121	K16
3122	D13
3123	D13
3124	F14
3125	E14
3126	F14
3127	G14
3128	K 1
3129	H14
3130	H14
3131	I14
3132	F 5
3134	G 5
3135	D15
3136	D16
3137	D14
3138	G 5
3139	G 5
3140	H 8
3141	H 8
3142	I 8
3143	I 8
3144	J 8
3145	J 8
3146	K 8
3148	F 4
3149	F 3
3150	F 2
3157	K 3
3158	K 3
3169	K 3
3195	J13
3198	K13
3199	K13
3202	F14
3345	L17
4116	B14
4117	B14
4126	D10
4127	D11
4129	K 1
4203	G 2
4321	L17
5100	B 4
5107	A10
5115	D13
6107	B15
6108	B16
6117	L14
6135	D15
6136	D16
7107	B11
7108	A13
7119	L16
7130	L 1
7137	D14
8911	M 2
9090	D17
9096	B10
9108	L12
9142	G15
9143	G16
9152	B10
9185	K14
9711	C17



19-IC7000 µPROC BOARD

PRS 06956
F-26/'13

Audio processing Ton Verarbeitung


F
1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
H87
H88
C59
C25
C23
C40
C39
SDA
SCL
QPSK
EXT.2 R IN
EXT.2 L IN
EXT.1 R IN
EXT.1 L IN
FOR AM ONLY
AM.DK
3617 RES
3615 RES
7611 RES
7610 RES
3619 RES
4610
9615
2604 100n
3618 RES
3616 RES
2616 RES
F1
I+R.A
C21
4k7 FOR PAL I
3600 3k6
ONLY PALI
3607 3k
4600
ONLY PALI
3602 2k2
NOT FOR PAL I
3604 1k8
2600 100n
2R.B
C22
3603 3k3
3605 4k7
2602 100n
+13
1600
NICAM 2)
R-IN
L-IN
4105 1)
4106 1)
9641
-B ONLY FOR NICAM
+5
4166
3622 180k
2622 220n
3620 180k
2620 220n
3624 1k
2624 330p
2626 220n
3626 180k
3628 1k
2628 330p
2630 220n
3630 180k
3632 1k
2632 330p
2634 220n
3634 180k
3636 1k
2638 220n
4110
2636 330p
3638 180k
3640 1k
3549 8548 2642 7) 7) 220n
2640 330p
3642 180k
2549 9548 7) 7)
EXT.3
3644 1k
1549 10548 2646 7) 7) 220n
2644 330p
3646 180k
L
R
7620 HEF4052
16 +5A
3 0V
13 0V
7 -8
9
10
I²C
1255b MACFSS INTERFACE
4109
4112
NOT FOR D2 MAC
9260
ONLY MAC 9717
ONLY MAC 9716
AUDIO/VIDEO
7600 TDA8417
3V1
3V2
MATR.
IDENT.
G 10 MHz
DIV
V=
1V3
1602 10MHz
2608 220n
3606 27
6665
1N4148
2606 100n
3608 100
3610 100
1N4148
6610
9447 3)
4255
3612 1k +5 ONLY FRANCE
7622 HEF4052
4107
4672
A0
A1
3665 15
-13/-16
+13/+16
1501
G92
+5A
-13/-16
C102
C100
H87
H88
D75
D79
C43
C58
STABLE 050
SVHS KILL
EXT.1 R OUT
EXT.1 L OUT
EXT.1 R NICAM
EXT.1 L NICAM
-8
+13
C33
C34
C32
C31
C101
D55
AUDIO S2
AUDIO S3
AUDIO S0
AUDIO S1
C50
C49
C52
C51
763 LF3

REMARKS/REMARQUES/ANMERKUNGEN

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"

Sourc selection a
Tonquellenwahl
Selezione delle s
Sélection source

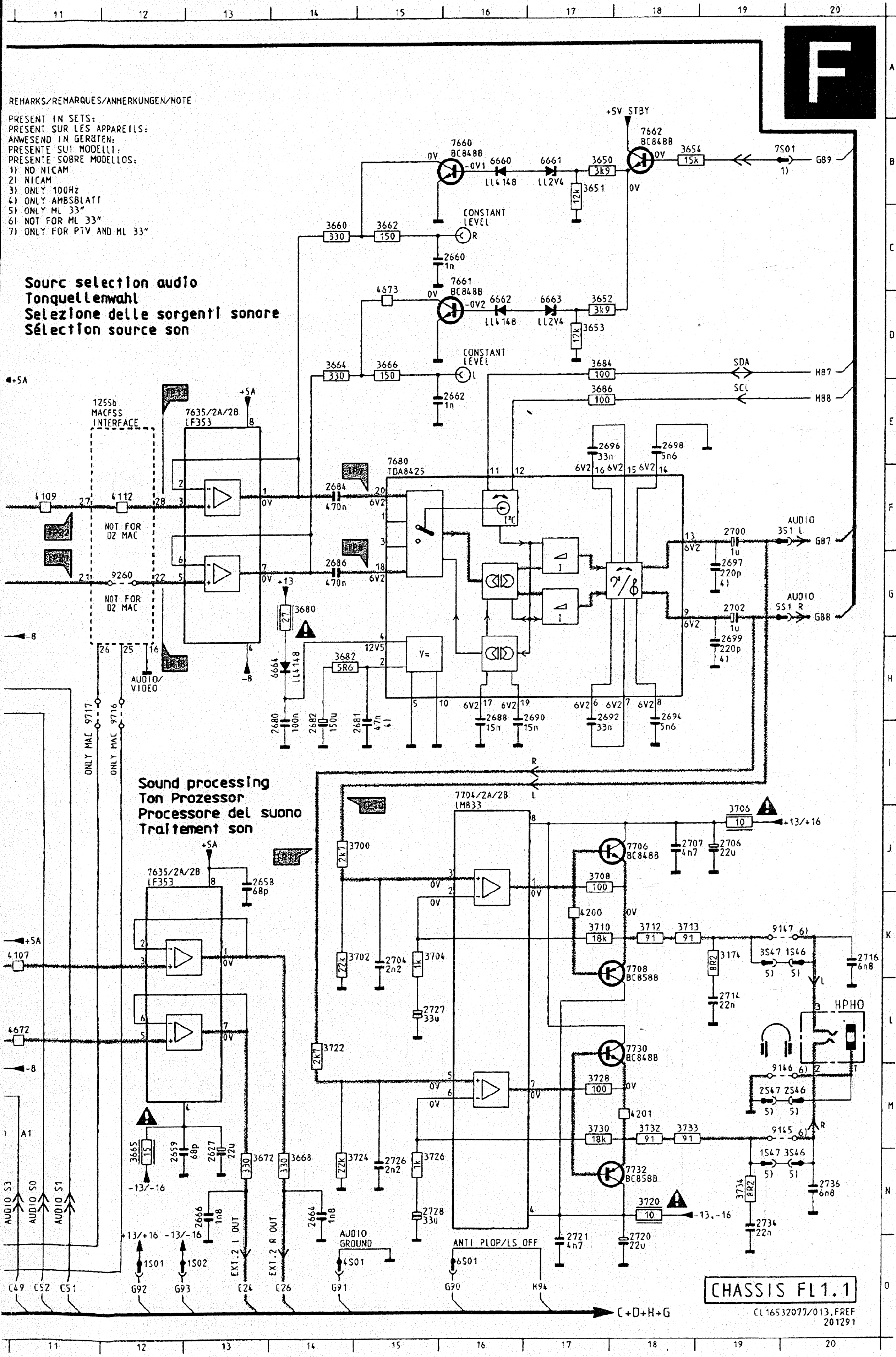
7620		
S1	S0	AUDIO SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	EXT.2

7622		
S3	S2	REC SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	----

Sou
Ton
Pro
Tra

Stereo decoder
Stereo decoder
Decodificatore stereo
Décodeur stéréo

Traitement audio


11
12
13
14
15
16
17
18
19
20
F
+5V STBY
7660
BC848B
0V
0V1
6660
LL4148
6661
LL2V4
3650
3k9
3651
12k
7662
BC848B
0V
3654
15k
7S01
1)
GB9
3660
330
3662
150
CONSTANT
LEVEL
R
2660
1n
4673
7661
BC848B
0V
0V2
6662
LL4148
6663
LL2V4
3652
3k9
3653
12k
3664
330
3666
150
CONSTANT
LEVEL
L
2662
1n
3684
100
SDA
H87
3686
100
SCL
H88
Sourc selection audio
Tonquellenwahl
Selezione delle sorgenti sonore
Sélection source son
+5A
1255b
MACFSS
INTERFACE
7635/2A/2B
LF353
+5A
4109
4112
NOT FOR
D2 MAC
9260
NOT FOR
D2 MAC
-8
AUDIO/
VIDEO
-8
ONLY MAC 9717
ONLY MAC 9716
7680
TDA8425
2684
470n
6V2
2686
470n
6V2
2696
33n
6V2
6V2
2698
5n6
6V2
11
12
1°C
+13
3680
27
6664
LL4148
3682
5R6
12V5
V=
2680
100n
2682
150u
2681
47n
4)
2688
15n
2690
15n
2692
33n
2694
5n6
2700
1u
2697
220p
4)
AUDIO
3S1 L
G87
2702
1u
2699
220p
4)
AUDIO
5S1 R
G88
R
L
Sound processing
Ton Prozessor
Processore del suono
Traitement son
+5A
7635/2A/2B
LF353
2658
68p
+5A
4107
-8
4672
7704/2A/2B
LM833
3700
2k7
3702
22k
2704
2n2
3704
1k
2727
33u
3722
2k7
3706
10
+13/+16
7706
BC848B
2707
4n7
2706
22u
3708
100
4200
3710
18k
3712
91
3713
91
3174
8R2
9147 6)
3S47 1S46
5) 5)
2716
6n8
2714
22n
7708
BC858B
L
HPHO
7730
BC848B
3728
100
4201
3730
18k
3732
91
3733
91
9146 6)
2S47 2S46
5) 5)
9145 6)
R
1S47 3S46
5) 5)
2736
6n8
7732
BC858B
3734
8R2
2734
22n
3720
10
-13,-16
2721
4n7
2720
22u
3724
22k
2726
2n2
3726
1k
2728
33u
3665
15
-13/-16
2659
68p
2627
22u
3672
330
3668
330
2666
1n8
2664
1n8
A1
AUDIO S3
AUDIO S0
AUDIO S1
+13/+16
-13/-16
1S01
1S02
EXT.2 L OUT
EXT.2 R OUT
AUDIO
GROUND
4S01
ANTI PLOP/LS OFF
6S01
C49
C52
C51
G92
G93
C24
C26
G91
G90
H94
C+D+H+G
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

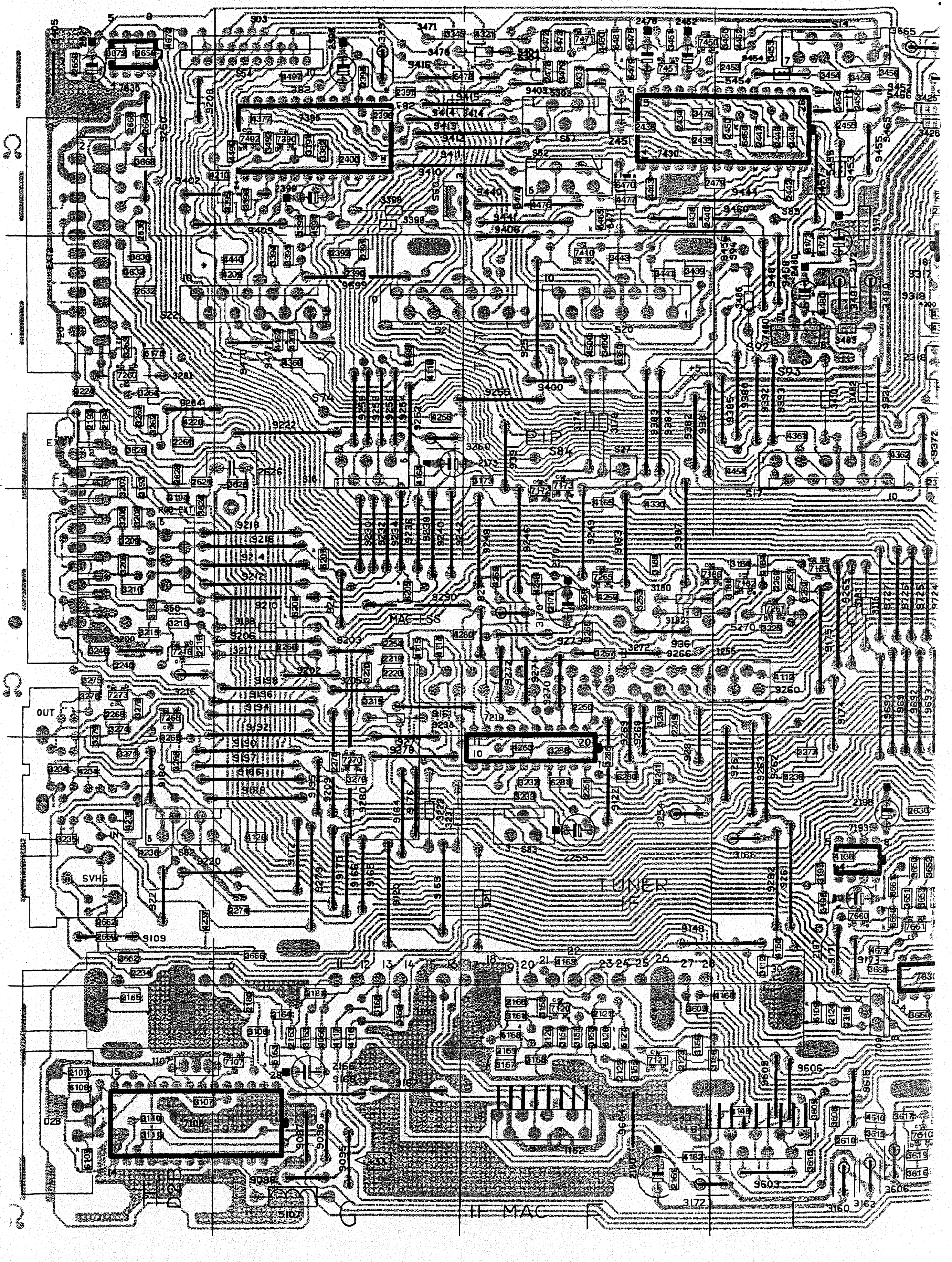
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"

CHASSIS FL1.1

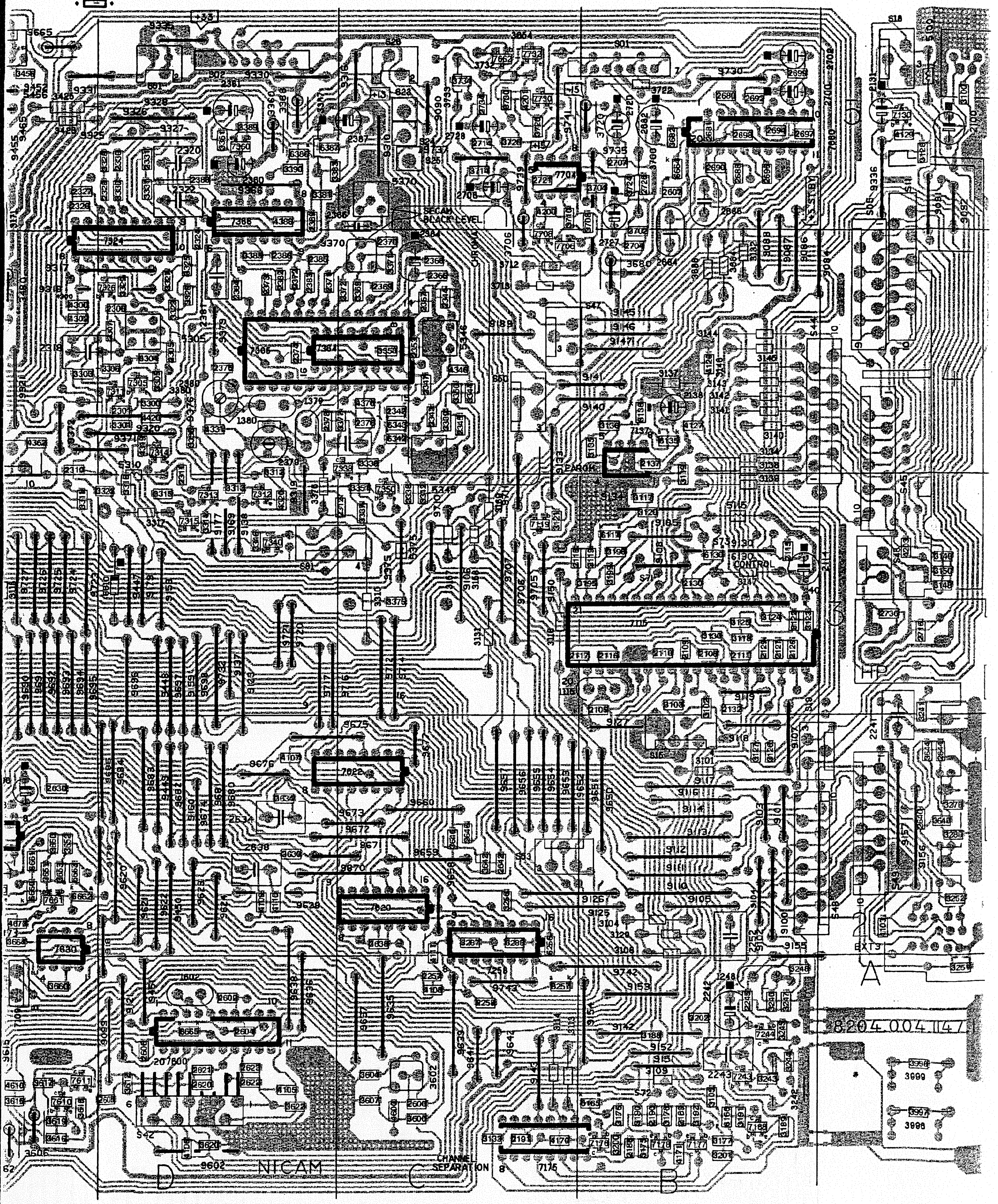
CL 16532077/013.FREF
201291

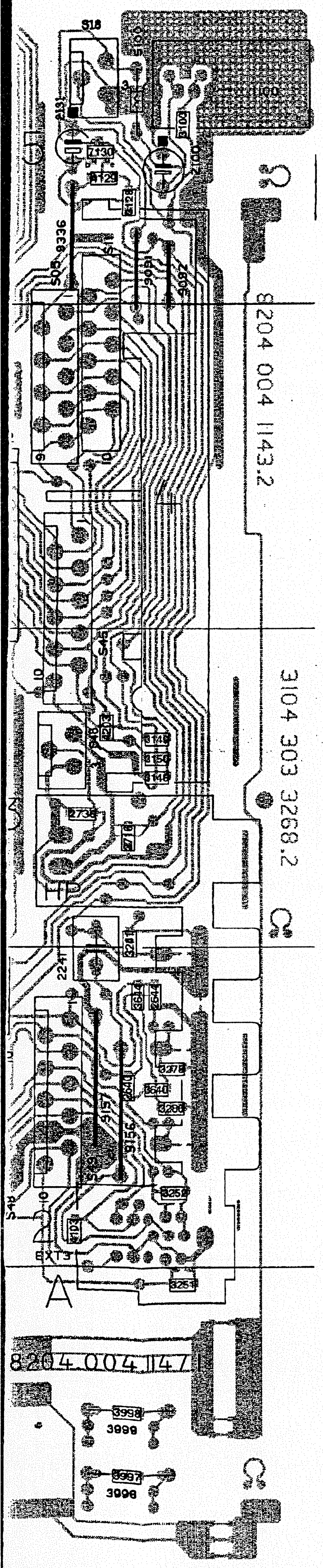
1255	E11	3730	M17
1600	E 2	3732	M18
1602	M 1	3733	M18
2600	G 2	3734	N19
2602	H 1	4105	G 4
2604	D 2	4106	G 5
2606	N 3	4107	K11
2608	M 2	4109	F11
2616	D 3	4110	D 7
2620	H 5	4112	F12
2622	H 3	4166	D 5
2624	B 6	4200	K17
2626	A 7	4201	M18
2627	M13	4255	N 4
2628	C 6	4600	F 2
2630	B 7	4610	C 2
2632	D 6	4672	L11
2634	C 7	4673	C15
2636	D 6	6610	N 4
2638	D 6	6660	B16
2640	E 6	6661	B17
2642	E 7	6662	D16
2644	F 6	6663	D17
2646	F 7	6664	H14
2658	J13	6665	M 3
2659	M12	7600	I 1
2660	C16	7610	C 3
2662	E16	7611	C 2
2664	N14	7620	A 9
2666	N13	7622	J 9
2680	H14	7635	E12
2681	H15	7635	J12
2682	H14	7660	B16
2684	F14	7661	C16
2686	G14	7662	B18
2688	H16	7680	E15
2690	H16	7704	I16
2692	H17	7706	J18
2694	H18	7708	K18
2696	E17	7730	L18
2697	G19	7732	N18
2698	E18	9145	M20
2699	H19	9146	M20
2700	F19	9147	K20
2702	G19	9260	G12
2704	K15	9447	N 5
2706	J19	9615	D 2
2707	J18	9641	G 2
2714	L19	9716	H12
2716	K20	9717	H11
2720	O18		
2721	O17		
2726	N15		
2727	L15		
2728	N15		
2734	N19		
2736	N20		
3174	K19		
3600	E 2		
3602	F 1		
3603	H 1		
3604	G 1		
3605	H 1		
3606	M 3		
3607	F 1		
3608	M 4		
3610	M 4		
3612	M 6		
3615	B 3		
3616	D 3		
3617	B 3		
3618	D 3		
3619	C 2		
3620	H 5		
3622	H 3		
3624	A 6		
3626	B 7		
3628	B 6		
3630	C 7		
3632	C 6		
3634	C 7		
3636	D 6		
3638	D 7		
3640	E 6		
3642	E 7		
3644	F 6		
3646	F 7		
3650	B17		
3651	B17		
3652	D17		
3653	D17		
3654	B18		
3660	C14		
3662	C15		
3664	D14		
3665	M12		
3666	D15		
3668	N14		
3672	N13		
3680	G14		
3682	H14		
3684	D17		
3686	E17		
3700	J14		
3702	K14		
3704	K15		
3706	J19		
3708	J17		
3710	K17		
3712	K18		
3713	K18		
3720	N18		
3722	L14		
3724	N14		
3726	N15		
3728	M17		

Small signal panel Klein-signal Platte


EXT 2
EXT 1
OUT
IN
SVHS
RGB-EXT
PIP
MAC-ESS
TUNER
IF
IF MAC
S03
S04
S14
S16
S17
S20
S21
S22
S27
S50
S52
S57
S74
S82
S84
S85
S92
S93
+5
7390
7430
7410
7450
7451
7260
7263
7265
7268
7270
7273
7120
7121
7107
7660
7610
7163
7173
7172
7182
7183
7161
7162
7218
7219
7130
9402
9409
9410
9411
9412
9413
9414
9415
9416
9406
9440
9441
9460
9400
9599
9255
9256
9222
9218
9216
9214
9212
9210
9206
9203
9202
9205
9200
9196
9194
9192
9190
9197
9186
9188
9250
9260
9266
9361
9273
9272
9109
9148
9606
9603
9615
9036
9035
9038
9037
3160
3162
3172
3606
1162
2255
2162
2166
2173
2196
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
30
10
20
G
F

Platine à petite signaux

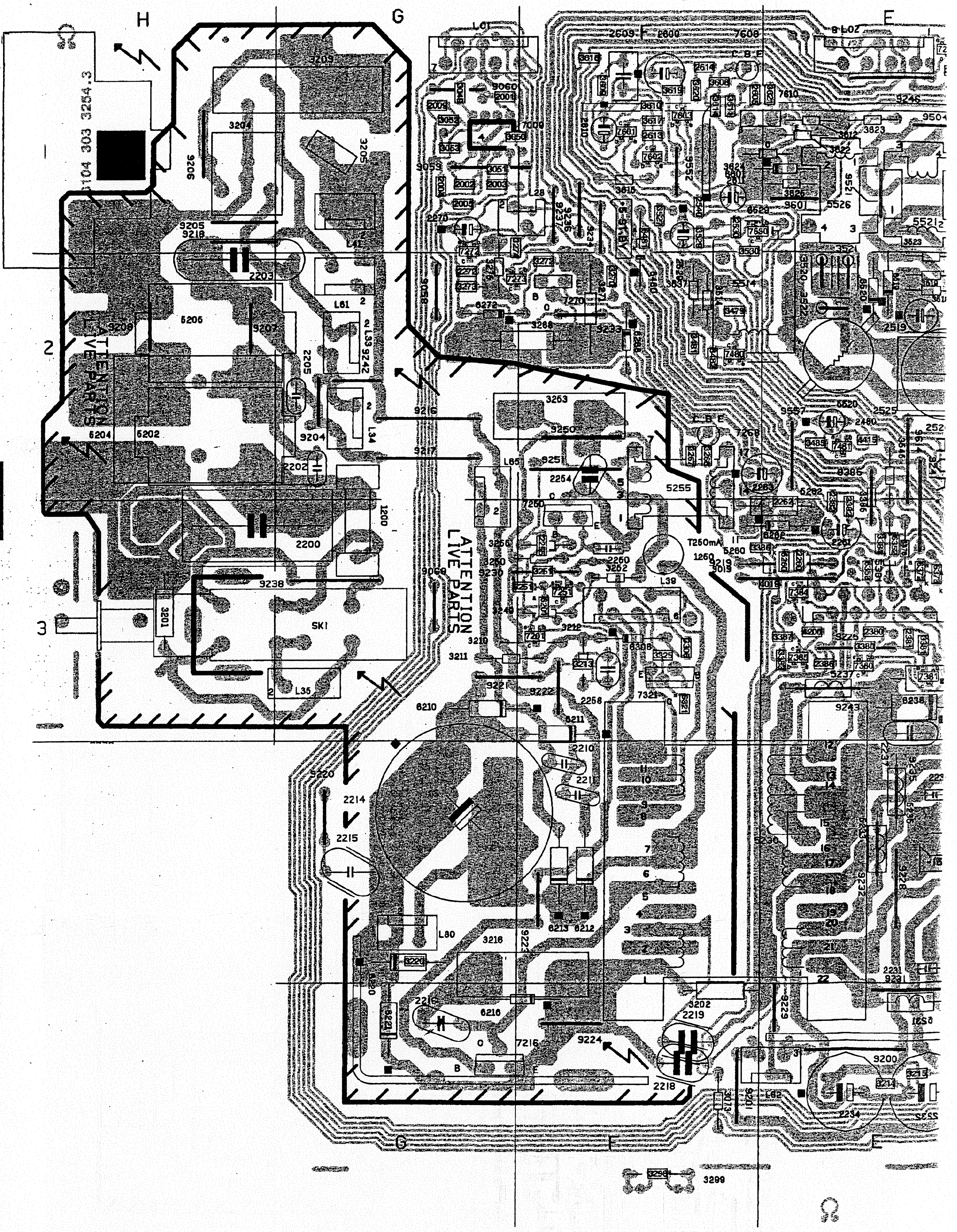

SECAM BLACK LEVEL
CHROMA
PAROM
CONTROL
STBY
NICAM
CHANNEL SEPARATION
A
B
C
D
8204 004 147



D2B H1	2171 F3	2389 D5	2736 A3	3186 G3	3304 D4	3492 G5	4130 E2	6166 B1	7610 E1	9172 G2	9327 D5	9660 C2
EXT1 H3	2172 E4	2390 G4	3100 A5	3187 H3	3305 D4	3600 C1	4148 E1	6168 F1	7611 E1	9173 E2	9328 D5	9670 C2
EXT2 H4	2173 G4	2391 G4	3101 B2	3188 B1	3306 D4	3602 C1	4160 E2	6172 E4	7620 C2	9174 E3	9330 D5	9671 D2
EXT3 A3	2180 G1	2392 G4	3102 B3	3189 B1	3310 C3	3603 F1	4162 F1	6173 E4	7622 C2	9175 E3	9331 D5	9672 C2
S01 B5	2181 G1	2395 G5	3103 B3	3190 B1	3311 E3	3604 C1	4163 F2	6178 H4	7630 E1	9176 G2	9335 D5	9673 C2
S02 D5	2186 B1	2396 G6	3104 B2	3191 B1	3312 D4	3605 E1	4164 G4	6205 G3	7635 H5	9177 D3	9336 A5	9674 D2
S03 H5	2189 B1	2397 G5	3105 B1	3192 B1	3313 D3	3606 E1	4165 F3	6206 G3	7660 E2	9178 D2	9361 F3	9675 D2
S05 A4	2190 B1	2398 G5	3106 B2	3193 H4	3314 D3	3607 C1	4166 E1	6207 G3	7661 E2	9179 D3	9366 D5	9676 D2
S11 A5	2191 C1	2399 G5	3107 H1	3194 H3	3315 D3	3608 E1	4170 C1	6256 C2	7662 C5	9180 H2	9371 D4	9677 C2
S14 E5	2193 H4	2400 G5	3108 G1	3195 B3	3316 D3	3610 E1	4171 B1	6257 C1	7680 B5	9181 D2	9372 E4	9680 D2
S15 B2	2194 H4	2433 F5	3109 B1	3196 E2	3317 D3	3612 D1	4184 E3	6280 F2	7704 C5	9183 F3	9375 C3	9681 D2
S16 G4	2196 E2	2434 F5	3110 H1	3197 E2	3318 E1	3615 E1	4200 C5	6281 F2	7706 C4	9185 B3	9376 D4	9682 D2
S17 E4	2197 E2	2435 F5	3111 H1	3198 B3	3323 D4	3616 E1	4201 C5	6342 C4	7708 C4	9186 G2	9379 D4	9683 D2
S18 A5	2216 H3	2436 F5	3112 E2	3199 B3	3324 D3	3617 E1	4203 A3	6343 C4	7730 C5	9188 G2	9380 E4	9684 D2
S19 B2	2218 G3	2438 F5	3113 C1	3200 B1	3325 D4	3618 E1	4205 G4	6386 D5	7732 C5	9189 C4	9381 F4	9685 D2
S20 F4	2220 G3	2440 F5	3114 C1	3201 B1	3326 D4	3619 E1	4209 G4	6387 D5	9084 B4	9190 G2	9382 F4	9690 E3
S21 F4	2234 H2	2442 E5	3115 E3	3202 B1	3327 D4	3620 D1	4210 G5	6460 E5	9086 B4	9192 G3	9383 F4	9691 E3
S22 G4	2240 H3	2445 E5	3116 C3	3205 H3	3328 D5	3622 D1	4220 H4	6465 F5	9087 B4	9194 G3	9384 F4	9692 E3
S23 C5	2241 A2	2446 E5	3117 B3	3206 H3	3329 D4	3624 H3	4234 H2	6470 F5	9088 B4	9195 G2	9385 E4	9693 E3
S24 C5	2242 B1	2447 E5	3118 B3	3207 H4	3330 D5	3626 G4	4235 H2	6471 F5	9090 C5	9196 G3	9387 F3	9694 E3
S25 C5	2243 B1	2450 E5	3119 B4	3208 H3	3331 D5	3628 H4	4236 H2	6478 F5	9091 A5	9197 G2	9391 F4	9695 E3
S26 C5	2245 B1	2451 F5	3120 B3	3209 H3	3336 D4	3630 D2	4237 H2	6479 F5	9092 A5	9198 G3	9392 E4	9696 D3
S27 F4	2249 F3	2452 F5	3121 C3	3210 H3	3337 C3	3632 H4	4241 F2	6480 E4	9093 D1	9200 H3	9393 E4	9697 D3
S42 D1	2250 F3	2453 E5	3122 B3	3211 F2	3338 C4	3634 D2	4246 F3	6481 F5	9095 G1	9202 G3	9400 F4	9698 D3
S43 F1	2251 F2	2454 E5	3123 B3	3215 H3	3339 C4	3636 H4	4255 G4	6610 D3	9096 G1	9203 G3	9402 H5	9705 C3
S44 B4	2252 B2	2455 E5	3124 B3	3216 H3	3342 C3	3638 C2	4259 F3	6660 E2	9097 G1	9205 G3	9403 F5	9706 C3
S45 A4	2253 E3	2456 E5	3125 B3	3217 G3	3344 C4	3640 A2	4263 F2	6661 E2	9098 G1	9206 G3	9404 F5	9707 C3
S46 A3	2254 G3	2476 F5	3126 B2	3218 H3	3345 G5	3642 C2	4280 F3	6662 E2	9100 B2	9208 H5	9405 H5	9710 C3
S47 C4	2255 F2	2478 F5	3127 B2	3219 G3	3346 D3	3644 A2	4300 E4	6663 E2	9101 B2	9209 G2	9406 F4	9711 C3
S48 B2	2257 C1	2479 E5	3128 A5	3220 G3	3350 C4	3646 C2	4302 E4	6664 B5	9102 B2	9210 G3	9409 G5	9712 C3
S49 A2	2258 C1	2480 E4	3129 B2	3222 G2	3351 C3	3650 E2	4319 D4	6665 D1	9103 B2	9212 G3	9410 G5	9714 C3
S50 C4	2260 G3	2600 C1	3130 B3	3224 H4	3353 C4	3651 E2	4320 D3	7107 G1	9104 B2	9214 G3	9411 F5	9716 D3
S51 D5	2261 H4	2602 D1	3131 C3	3225 E3	3360 D5	3652 E2	4321 F5	7108 G1	9105 B2	9216 G3	9412 F5	9717 D3
S52 F5	2268 H3	2604 D1	3132 B4	3232 F2	3361 D5	3653 E2	4330 F3	7109 E1	9106 C3	9218 G3	9413 G5	9720 D3
S53 C2	2269 E3	2606 D1	3133 C1	3233 F2	3369 C4	3654 C5	4331 D4	7115 B3	9107 B2	9220 G2	9414 G5	9721 D3
S54 H5	2270 G2	2607 B5	3134 B4	3234 H2	3370 C4	3660 E1	4346 C4	7119 C3	9108 B3	9221 H2	9415 F5	9723 E3
S56 H3	2274 G2	2608 D1	3135 B4	3235 H2	3371 C4	3662 H2	4350 F4	7120 F1	9109 H2	9222 G4	9416 G5	9724 E3
S57 F5	2301 D4	2610 E1	3136 B4	3237 G2	3372 C4	3664 E2	4360 G4	7121 F1	9110 B2	9230 G3	9440 F5	9725 E3
S60 G5	2305 D4	2620 D1	3137 B4	3238 G3	3375 C3	3665 E5	4361 E4	7130 A5	9111 B2	9232 G3	9441 F5	9726 E3
S81 D3	2306 D4	2621 D1	3138 B4	3239 E2	3376 D3	3666 G2	4362 E4	7137 B3	9112 B2	9234 G3	9444 E5	9727 E3
S82 G2	2307 D4	2622 D1	3139 B3	3240 H3	3377 C4	3668 H5	4376 C4	7172 F3	9113 B2	9236 G3	9447 D3	9730 B5
S83 F2	2310 E4	2623 D1	3140 B4	3241 A3	3380 D4	3672 H5	4377 G5	7173 F4	9114 B2	9238 G3	9448 D3	9732 D3
SVHS H2	2311 D4	2624 H4	3141 B4	3242 B1	3381 D5	3680 B4	4386 D5	7175 B1	9116 B2	9240 G3	9449 D2	9736 B5
1100 A5	2312 C3	2626 G4	3142 B4	3243 B1	3382 G5	3682 B5	4420 D4	7176 B1	9117 B2	9241 G3	9450 D2	9737 C5
1107 H1	2318 E4	2627 H5	3143 B4	3244 B1	3383 D5	3684 B4	4440 G4	7177 B1	9118 B2	9242 G3	9451 D1	9739 C5
1115 B3	2320 D5	2628 H4	3144 B4	3245 B1	3385 D4	3686 B4	4443 F5	7178 B1	9119 B3	9246 F3	9452 E5	9741 C5
1160 E2	2322 D6	2630 E2	3145 B4	3246 B1	3387 D5	3700 B5	4452 E5	7182 E3	9120 G2	9248 F3	9453 E5	9742 B1
1162 F1	2324 D4	2632 H4	3146 B4	3247 B1	3388 D5	3702 B4	4453 G4	7183 E3	9121 D1	9249 F3	9454 E5	9743 C1
1248 B1	2326 E5	2634 D2	3147 B3	3248 B1	3389 D5	3704 B5	4454 E4	7186 E3	9122 F2	9250 H5	9455 E5	
1379 D4	2327 E5	2636 H5	3148 A3	3249 F3	3390 D5	3706 C4	4460 F5	7188 B1	9123 D3	9252 G4	9456 F5	
1380 D4	2328 D5	2638 D2	3149 A3	3251 A1	3391 G5	3708 B5	4476 F5	7193 E2	9125 C2	9254 G4	9457 E5	
1602 D1	2330 D5	2640 A2	3150 A3	3252 A2	3392 G5	3710 C5	4477 F5	7216 H3	9126 C2	9255 F4	9458 E4	
2100 A5	2331 D5	2642 C2	3151 F1	3253 F3	3393 G4	3712 C4	4496 G5	7219 F2	9127 B2	9256 G4	9460 F5	
2105 B3	2338 C3	2644 A2	3152 F1	3254 F2	3394 G4	3713 C4	4497 G5	7243 B1	9130 B3	9257 F4	9465 E5	
2107 H1	2342 C4	2646 C2	3153 F1	3255 F3	3395 G5	3714 C5	4498 G4	7244 B1	9133 C4	9258 G4	9470 G4	
2108 B3	2343 C4	2658 H5	3154 F1	3256 C2	3396 G5	3720 B5	4500 F4	7258 C1	9134 B3	9259 G4	9471 G4	
2109 B3	2344 C4	2659 H5	3155 F1	3257 C1	3397 G5	3722 B5	4591 G5	7260 H4	9137 D3	9260 E3	9481 E4	
2110 B3	2345 C4	2660 H2	3156 E1	3259 F3	3398 G5	3724 B5	4600 C1	7261 E3	9138 D3	9261 E2	9599 G4	
2111 B3	2347 C4	2662 H2	3157 C3	3260 G4	3399 G5	3726 C5	4610 E1	7265 F3	9140 B4	9262 E2	9602 D1	
2114 B3	2353 C4	2664 H5	3158 C3	3261 H4	3400 F4	3728 C5	4672 H5	7268 H3	9141 B4	9263 E2	9603 E1	
2115 B3	2360 D5	2666 H5	3159 F1	3262 H4	3410 E4	3730 C5	4673 E2	7270 G2	9142 B1	9264 H4	9604 F1	
2116 B3	2361 D5	2680 B5	3160 E1	3263 H4	3414 G5	3732 C5	5100 A5	7273 H3	9143 C1	9265 E3	9605 E1	
2117 B3	2364 C4	2681 B5	3161 F1	3264 H4	3425 E5	3733 C5	5107 G1	7305 D4	9145 B4	9266 F3	9606 E1	
2118 C3	2365 C5	2682 B5	3162 E1	3265 H2	3426 E5	3734 C5	5115 B3	7311 D4	9146 B4	9267 E2	9615 E1	
2119 B3	2366 C4	2684 B4	3163 G1	3266 F3	3439 F4	3996 A1	5270 E3	7312 D3	9147 B4	9268 F3	9620 D2	
2120 F1	2367 C4	2686 B5	3164 G1	3267 F3	3441 F4	3997 A1	5303 F5	7313 D3	9148 E2	9269 F3	9621 D2	
2121 F1	2368 C4	2688 B5	3165 G1	3268 H2	3443 F4	3998 A1	5304 F5	7314 D4	9150 C3	9270 F3	9622 D2	
2122 F1	2369 C4	2690 B5	3166 E2	3269 E3	3450 E5	3999 A1	5305 D4	7315 D3	9151 B1	9271 F3	9623 D2	
2123 F1	2370 C4	2692 B5	3167 F1	3270 G2	3451 F5	4066 G1	5310 D4	7324 E5	9152 B1	9272 F3	9624 D2	
2124 E1	2371 D4	2694 B5	3168 F1	3271 H2	3453 E5	4103 A2	5345 C4	7326 D4	9153 B1	9273 F3	9628 D2	
2126 B3	2372 D4	2696 B6	3169 C3	3272 F3	3454 E5	4105 D1	5346 C4	7338 C4	9154 B1	9274 F3	9635 C1	
2127 B3	2373 D4	2697 B5	3170 F3	3273 H3	3455 E5	4106 D1	5370 C5	7340 D3	9155 A1	9277 G2	9636 D1	
2129 B3	2374 D4	2698 B6	3171 E6	3274 H3	3456 E5	4107 D2	5375 C3	7350 C3	9156 A2	9278 G2	9637 C1	
2130 B3	2375 D4	2699 B5	3172 E1	3275 H3	3466 E4	4108 C1	5454 E5	7360 D5	9157 A2	9279 G2	9638 D1	
2131 A5	2376 C4	2700 B5	3173 F4	3276 H3	3471 F5	4109 D2	5455 E5	7364 D4	9158 D3	9280 G2	9639 C1	
2132 B3	2377 C4	2702 B5	3174 F4	3277 E2	3472 F5	4110 D2	5456 E5	7365 D4	9159 D3	9281 F2	9641 C1	
2137 B4	2378 D4	2704 B4	3175 B1	3278 A2	3473 F5	4111 C2	6107 H1	7366 D5	9160 D2	9282 E2	9642 C1	
2138 B4	2379 D4	2706 C5	3176 B1	3279 H3	3474 F5	4112 E3	6108 H1	7390 G5	9161 G3	9290 G3	9650 B2	
2160 F1	2380 D4	2707 B5	3177 B1	3280 A2	3475 F5	4114 G3	6109 E1	7395 G5	9163 G2	9310 C5	9651 B2	
2161 F1	2381 D4	2714 C6	3178 B1	3281 H4	3476 F5	4115 G3	6117 B3	7410 F4	9164 G2	9316 C5	9652 C2	
2163 G1	2382 D4	2716 A3	3179 F4	3285 F2	3477 F5	4116 G1	6120 F1	7430 E5	9165 G2	9317 D4	9653 C2	
2164 G1	2383 D4	2720 B5	3180 F3	3286 F2	3478 F5	4117 G1	6121 F1	7450 F5	9166 G2	9318 D4	9654 C2	
2165 H1	2384 D4	2721 C5	3181 E3	3287 C2	3479 F5	4118 G4	6130 B3	7451 F5	9167 G1	9319 D3	9655 C2	
2166 G1	2385 D4	2726 B5	3182 F3	3288 C2	3480 E4	4120 G2	6135 B4	7471 F5	9168 G1	9320 D4	9656 C2	
2168 F1	2386 D4	2727 B5	3183 E3	3300 D4	3481 E4	4126 B4	6136 B4	7480 E4	9169 D3	9321 E4	9657 C2	
2169 F1	2387 C5	2728 C5	3184 E3	3301 D4	3482 E4	4127 B4	6163 G1	7492 G5	9170 G2	9325 D5	9658 C2	
2170 F3	2388 D5	2734 C5	3185 F3	3303 E4	3483 E4	4129 A5	6165 B1	7600 D1	9171 E2	9326 D6	9659 C2	

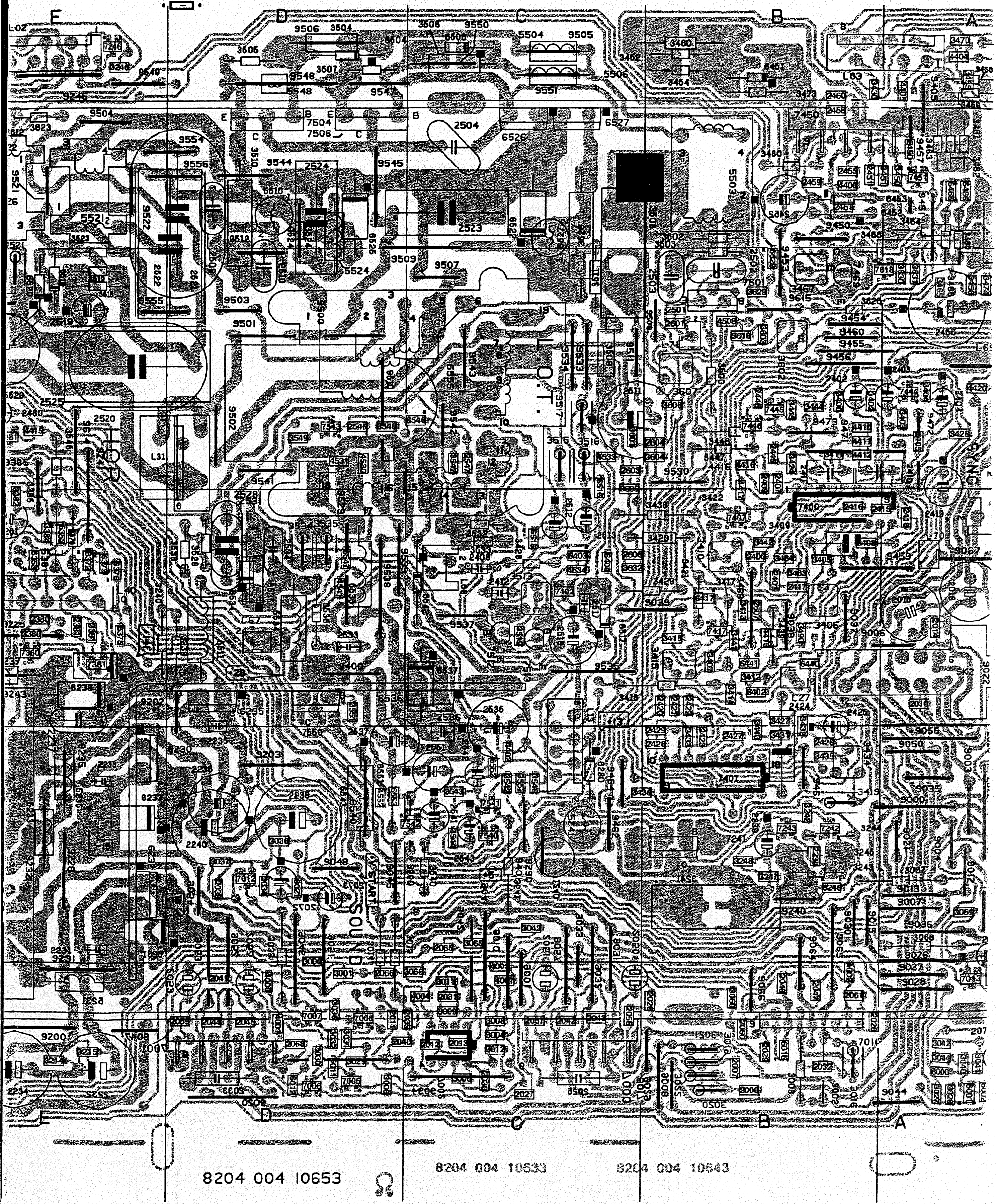
Large signal panel

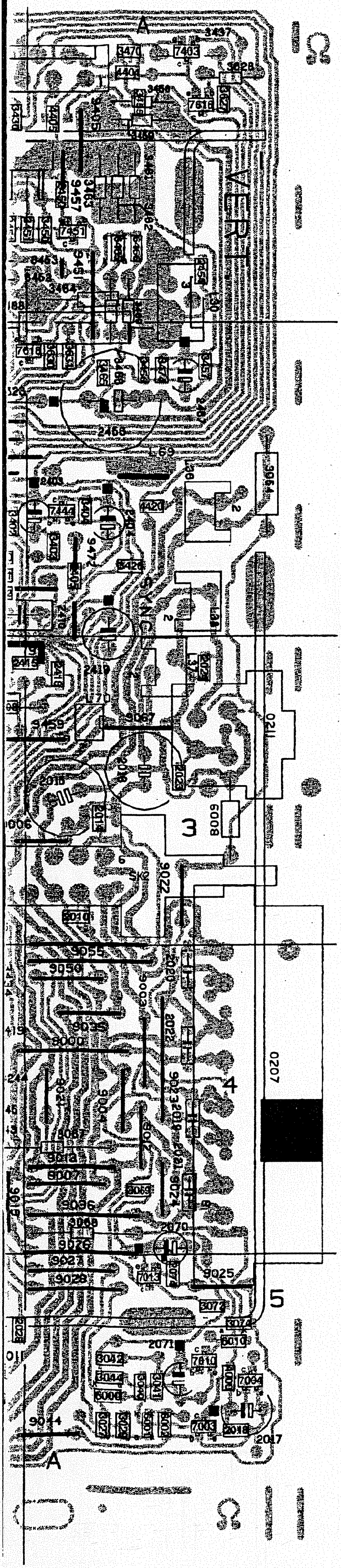
Großsig


H
G
E
F
1
2
3
3104 303 3254.3
ATTENTION LIVE PARTS
3209
3204
3205
9026
9205
9218
2203
5206
9208
9207
L61
L33
9242
2205
5204
5202
9204
L34
2202
1200
2200
9238
3201
SKI
L35
9216
9217
3253
9250
L65
9251
2254
5255
7250
3256
3250
9230
3249
3210
3211
T250mA
1260
9219
9015
L39
3212
7221
6208
3213
7321
9221
9222
2258
6210
6211
2210
2211
2214
2215
9220
L80
3216
3220
2216
6216
7216
9224
2202
2219
2218
3073
L82
9200
3215
2234
3299
3298
L01
2609
2600
7608
L02
9060
2008
2009
7009
3053
9059
2002
2003
2005
2270
7272
3273
9237
9236
6272
3268
7270
3233
6288
3615
3617
3619
3620
7603
3606
7610
9524
9525
9526
3823
3822
5521
3523
3520
3522
5514
3479
7480
3481
2519
9557
5620
2480
2525
7481
3485
7268
2263
5262
2264
6262
3385
3386
2261
3387
3200
3225
2380
7380
5237
9243
3237
3238
5230
2231
9231
3229
9201
3202

Großsignal Platine

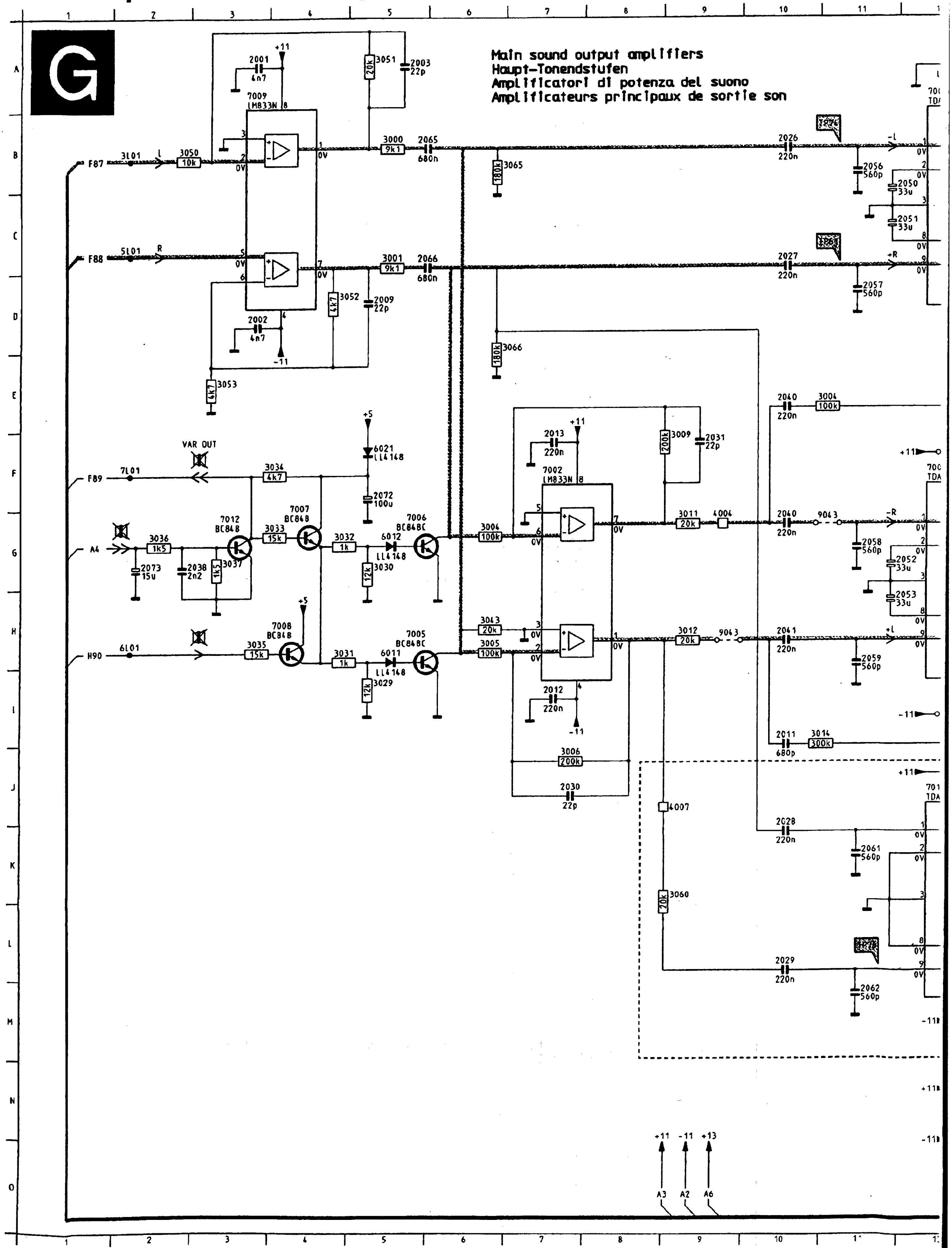
Platine à grande signaux


A
B
C
D
E
9506
3504
3508
9550
5504
9505
5506
3460
5503
2504
6526
6527
9504
9554
9556
9544
2524
9545
2523
5521
9522
5524
9509
9507
9503
9501
9502
L31
9541
F.O.T.
9530
7400
7401
9535
SOUND
V.START
SYNC
9200
9231
9065
9050
9000
9044
9007
8204 004 10653
8204 004 10633
8204 004 10643



0207	A4
0211	A3
039	H5
040	H4
L01	F1
L02	E1
L03	A1
L13	C4
L27	B3
L28	G1
L30	A1
L31	E2
L33	G2
L34	G2
L35	G3
L36	A2
L37	A3
L38	A2
L39	F3
L40	E3
L41	G1
L61	G2
L62	E5
L65	G2
L67	D3
L68	C3
L69	A2
L70	A3
L71	B2
L80	G4
SK1	G3
SK2	B3
1200	G3
1240	C4
1250	F3
2001	G1
2002	G1
2003	G1
2004	G1
2005	G1
2007	B5
2008	B5
2009	G1
2010	A3
2011	D5
2012	C5
2013	C5
2014	A3
2015	A3
2016	A3
2017	A5
2018	A5
2019	A4
2020	A4
2021	A4
2022	A4
2023	A3
2024	A3
2025	C5
2026	B5
2027	C5
2028	B5
2029	B5
2030	C5
2031	C5
2032	B5
2033	D5
2035	C5
2038	D4
2040	D5
2041	D5
2042	C5
2043	C5
2044	D5
2045	D5
2046	B5
2047	B5
2050	C5
2051	C5
2052	D5
2053	D5
2056	C5
2057	C5
2058	D5
2059	D5
2060	B5
2061	B5
2065	C4
2066	D5
2070	A4
2071	A5
2072	D4
2073	D4
2074	A5
2200	H3
2202	G2
2203	H2
2205	G2
2210	F4
2211	F4
2214	G4
2215	G4
2216	G5
2218	F5
2219	F5
2230	B4
2231	E4
2232	E5
2233	E4
2234	E5
2235	D3
2236	D4
2237	E3
2238	D4
2239	B4
2240	D4
2250	F3
2254	F2
2255	F3
2258	F3
2260	E3
2261	E3
2262	E3
2263	E2
2270	G1
2272	G2
2302	H5
2303	H5
2308	H5
2321	H5
2331	H4
2351	H4
2360	H4
2361	H4
2365	H4
2372	H4
2374	H4
2376	H4
2380	E3
2381	E3
2382	E3
2386	E3
2400	B3
2401	B3
2402	B2
2403	A2
2404	A2
2405	A2
2406	B3
2407	B2
2408	C3
2409	B2
2410	B2
2411	B2
2412	C3
2415	A3
2416	B3
2417	B3
2418	A3
2419	A2
2420	B3
2421	B3
2422	B3
2423	B4
2424	B4
2425	B4
2426	B4
2427	B4
2428	B4
2429	B4
2445	B2
2446	B2
2450	A1
2451	B1
2452	B1
2454	A1
2455	B1
2456	A2
2457	A2
2458	B1
2459	B1
2460	B1
2461	B1
2480	E2
2501	B2
2502	B2
2503	B2
2504	C1
2509	D1
2510	D2
2511	C2
2512	C3
2513	C3
2517	C3
2518	C3
2519	E2
2520	E2
2521	D1
2522	D1
2523	C1
2524	D1
2525	E2
2528	D3
2529	F1
2530	F1
2531	D3
2533	D3
2534	D3
2535	C4
2536	C4
2537	D4
2540	F1
2541	C4
2542	C4
2543	C4
2546	D2
2547	C2
2551	C4
2600	F1
2601	B2
2603	C2
2604	B2
2605	F1
2606	C3
2607	B3
2609	F1
2610	F1
2611	F1
2613	F1
2614	F1
3000	D4
3001	D5
3002	B5
3003	B5
3004	C5
3005	D5
3006	C5
3008	C5
3009	C5
3011	C5
3012	C5
3013	D4
3014	D4
3016	B5
3019	B5
3020	B5
3021	B5
3022	B5
3027	A5
3028	A5
3029	D5
3030	D5
3031	D5
3032	D5
3033	D4
3034	D4
3035	D5
3036	D4
3037	D4
3040	A5
3041	A5
3042	A5
3043	C4
3044	A5
3049	G1
3050	G1
3051	G1
3052	G1
3053	G1
3054	A2
3060	B5
3065	C4
3066	C5
3067	A4
3068	A4
3069	A4
3072	A5
3073	F5
3074	A5
3201	H3
3202	F5
3204	H1
3205	G1
3209	G1
3210	F3
3211	G3
3212	F3
3213	F3
3214	E5
3215	E5
3216	F4
3220	G4
3239	D3
3240	E3
3241	B4
3242	B4
3243	B4
3244	B4
3245	B4
3246	E1
3247	B4
3248	B4
3249	F3
3250	F3
3251	F3
3252	F3
3253	F2
3255	F3
3266	F2
3267	F2
3268	F2
3270	F2
3271	F2
3272	F2
3273	G2
3274	G1
3275	G2
3298	F5
3299	F5
3300	H5
3304	H5
3305	H5
3306	F3
3308	H5
3309	H5
3310	H5
3311	H5
3312	H5
3313	H5
3314	H5
3315	H5
3317	H5
3320	H5
3321	H5
3322	H5
3325	F3
3331	H4
3332	H4
3350	H4
3351	H4
3356	H4
3357	H4
3358	H4
3360	H4
3362	H4
3364	H4
3365	H4
3366	H4
3368	H4
3369	H4
3370	H4
3371	H4
3372	H4
3374	H4
3375	H4
3376	E3
3378	H4
3380	E3
3381	E3
3382	E3
3383	E3
3384	E3
3385	E2
3386	E3
3387	E3
3400	B2
3402	B2
3403	A2
3404	A2
3405	B3
3406	B3
3407	B3
3408	B3
3409	B3
3410	B3
3411	B2
3412	B3
3413	B3
3414	B3
3415	B3
3416	B3
3417	B3
3418	B3
3419	B4
3420	B3
3421	B3
3422	B3
3424	B2
3426	A2
3427	B3
3428	C3
3429	B3
3430	B1
3431	B4
3432	B4
3433	B4
3434	B4
3435	B4
3436	B4
3437	A1
3438	B3
3439	B3
3440	B4
3441	B3
3442	B3
3444	B2
3445	B2
3446	B2
3447	B2
3450	A1
3451	A1
3452	B1
3454	B1
3455	A1
3456	A2
3457	A2
3458	A1
3459	A1
3460	B1
3461	A1
3462	A1
3463	A1
3464	A1
3465	A2
3466	A1
3467	B2
3468	A2
3469	A1
3470	A1
3473	B1
3474	A2
3479	F2
3480	B1
3481	F2
3482	F2
3483	B3
3484	B3
3485	E2
3490	B3
3500	B2
3502	B1
3503	B2
3504	D1
3505	D1
3506	C1
3507	D1
3508	C2
3509	C2
3510	D1
3511	C2
3512	C3
3513	C3
3514	F2
3515	C2
3516	C2
3517	C2
3518	E2
3519	E2
3520	E2
3521	E2
3522	E2
3523	E2
3524	D1
3526	C1
3527	F1
3528	D3
3529	F1
3530	F2
3532	C3
3533	C3
3534	D3
3535	D3
3536	D3
3537	F2
3538	D3
3540	C4
3541	C4
3542	C4
3543	C4
3544	C4
3545	E2
3546	C4
3547	C2
3548	D2
3549	D2
3550	C4
3551	D3
3552	C4
3601	C2
3602	B2
3603	B2
3604	B2
3605	C3
3606	B2
3607	B2
3608	F1
3609	F1
3610	F1
3611	F1
3612	E1
3614	F1
3615	F1
3616	F1
3617	F1
3618	B2
3619	F1
3620	F1
3621	E1
3622	E1
3623	E1
3624	E1
3625	E1
3626	B2
3627	A1
3628	A1
3629	B2
3630	A2
3631	A2
3632	C3
4000	A5
4001	D5
4002	B5
4004	C5
4005	C5
4006	D5
4007	C5
4019	E3
4200	E3
4400	B1
4402	C4
4404	A1
4405	A1
4410	B2
4411	B2
4412	B2
4413	B3
4415	E2
4416	B2
4417	B3
4420	A2
4508	B2
4530	D2
4531	D2
4533	C2
4534	C3
4541	D3
4552	D4
4552	D4
5202	H2
5204	H2
5205	H2
5230	F4
5231	E5
5233	E4
5235	E4
5237	E3
5241	C4
5255	F3
5260	E3
5262	E3
5308	H5
5310	H5
5381	E3
5503	B1
5504	C1
5506	C1
5510	D1
5511	D3
5514	F2
5520	E2
5521	E1
5524	D1
5526	E1
5527	C2
5534	D3
5536	D3
5543	D4
5548	D1
5555	D3
6000	A5
6001	A5
6002	A5
6008	A3
6010	A5
6011	D5
6012	D5
6016	B5
6021	D4
6201	F3
6210	G3
6211	F3
6212	F4
6213	F4
6216	F5
6220	G4
6221	G5
6230	E4
6231	E4
6232	E4
6233	E4
6235	D3
6237	E3
6238	E3
6246	B4
6251	F3
6260	E3
6262	E3
6266	F2
6272	G2
6280	C4
6302	H5
6303	H5
6304	H5
6306	F3
6308	H5
6312	H5
6315	H5
6318	H5
6319	H5
6321	F3
6331	H4
6349	H4
6350	H4
6351	H4
6352	E3
6353	E3
6355	H4
6356	H4
6357	H4
6370	H4
6371	H4
6372	E3
6373	E3
6375	E3
6376	E3
6402	B3
6403	C3
6404	C3
6417	B3
6440	B3
6441	B3
6451	B1
6452	B1
6453	B1
6465	A1
6466	A1
6480	F1
6481	F1
6504	D1
6506	C1
6515	C3
6516	C2
6517	C3
6519	E2
6520	E2
6522	C1
6525	D1
6526	C1
6527	C1
6529	F1
6534	D3
6535	D3
6536	C3
6537	C3
6542	C3
6546	C2
6547	D3
6551	D4
6552	C4
6553	D4
6601	E1
6629	B2
7000	C5
7001	D5
7002	C5
7003	A5
7004	A5
7005	D5
7006	D5
7007	D5
7008	D5
7009	G1
7010	A5
7011	B5
7012	D4
7013	A5
7201	F3
7216	G5
7241	B4
7242	B4
7243	B4
7246	E1
7250	F3
7251	F3
7268	F2
7270	F2
7272	G1
7273	G2
7305	H5
7311	H5
7312	H5
7318	H5
7320	H4
7321	F3
7360	H4
7369	H4
7370	H4
7371	H4
7380	E3
7381	E3
7384	E3
7385	E3
7400	B3
7401	B4
7402	C3
7403	A1
7407	B3
7417	B3
7444	A2
7445	B2
7446	B2
7450	A1
7451	A1
7469	B2
7480	F2
7481	E2
7501	B2
7504	D1
7506	D1
7512	C3
7513	C3
7530	F1
7540	C4
7541	C4
7542	C4
7543	D2
7550	D3
7601	F1
7602	F1
7603	F1
7608	F1
7610	E1
7616	A1
7618	A2
9000	A4
9001	C5
9003	A4
9004	A4
9006	A3
9007	A4
9008	B5
9010	C5
9012	A4
9013	A4
9015	B4
9017	B5
9019	E3
9020	D5
9021	A4
9022	A3
9023	A4
9024	A4
9025	A5
9026	A4
9027	A5
9028	A5
9029	B5
9030	B4
9031	C4
9032	C5
9033	C5
9034	C5
9035	A4
9036	A4
9037	B3
9038	B3
9039	B3
9041	C4
9042	C4
9043	D5
9044	A5
9045	D4
9046	D4
9047	E5
9048	D4
9050	A4
9051	D4
9052	D4
9053	D5
9054	D4
9055	A4
9056	A3
9057	C5
9058	G2
9059	G1
9060	G1
9064	B5
9065	B4
9066	B5
9067	A3
9068	G3
9200	E5
9201	F5
9202	D3
9203	D4
9204	G2
9205	H1
9206	H1
9207	H2
9208	H2
9216	G2
9217	G2
9218	H1
9219	E3
9220	G4
9221	G3
9222	F3
9223	F4
9224	F5
9225	E3
9228	E4
9229	E5
9230	F3
9231	E5
9232	E4
9233	F2
9234	F1
9235	E4
9236	F1
9237	F1
9238	G3
9240	B4
9241	E3
9242	G2
9243	E3
9246	E1
9250	F2
9251	F2
9290	C4
9300	H5
9302	H4
9385	E2
9400	D3
9401	C4
9405	A1
9450	B1
9451	A1
9453	B2
9454	B2
9455	B2
9456	B2
9457	A1
9459	B3
9460	B2
9461	B4
9462	C4
9464	C4
9468	B3
9471	B2
9472	A2
9473	B2
9500	D2
9501	D2
9502	D2
9503	D2
9504	E1
9505	C1
9506	D1
9507	C2
9508	B2
9509	C1
9510	D2
9511	C2
9512	D2
9521	E1
9522	E1
9524	D1
9529	D3
9530	B2
9533	C2
9534	C2
9535	C3
9537	C3
9538	D3
9539	D3
9540	D4
9541	D2
9542	C2
9543	C2
9544	D1
9545	D1
9547	D1
9548	D1
9549	E1
9550	C1
9551	C1
9552	F1
9554	D1
9555	E2
9556	D1
9557	E2
9601	E1
9614	E2
9615	B2

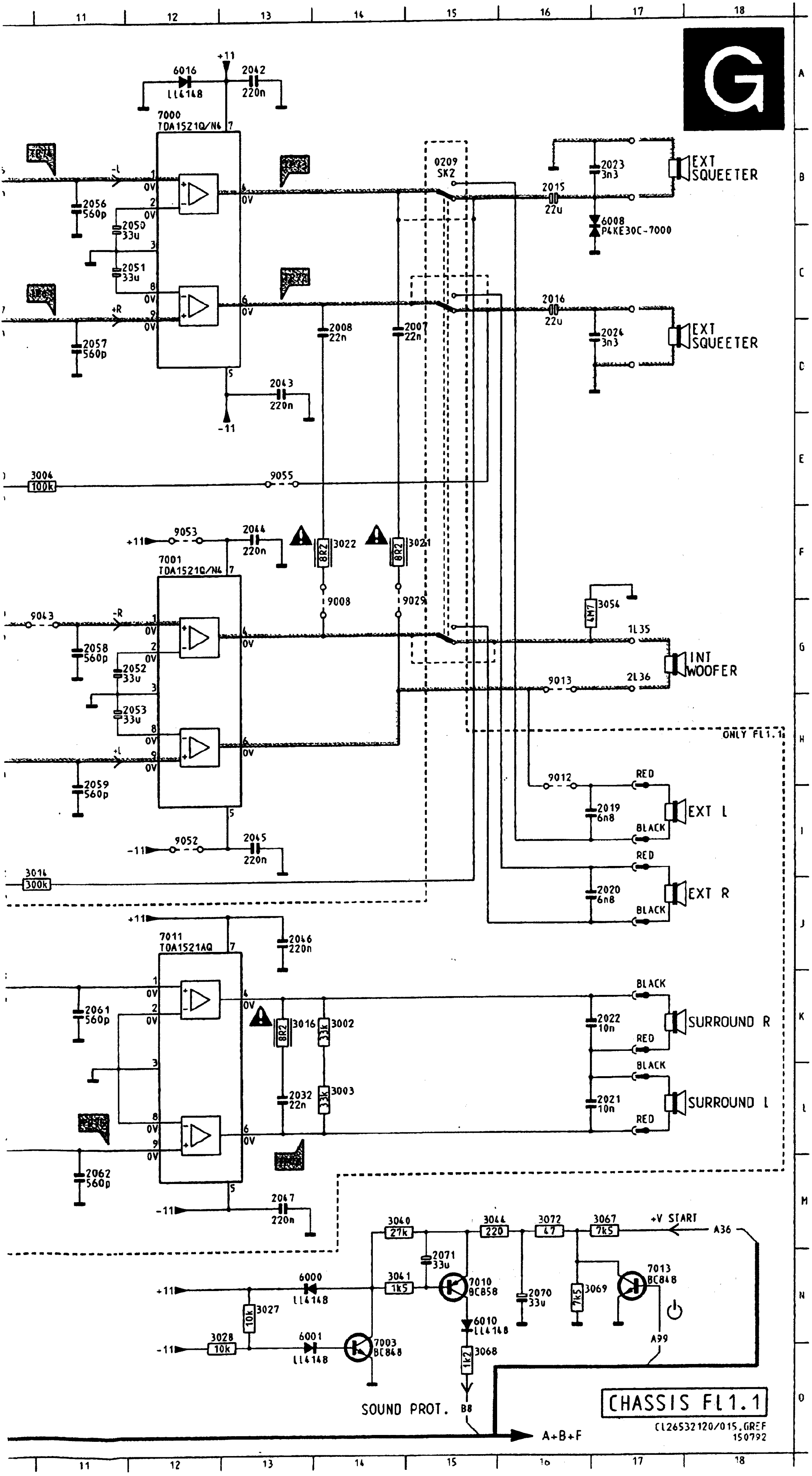
Audio amplification / Tonsignal Verstärker /



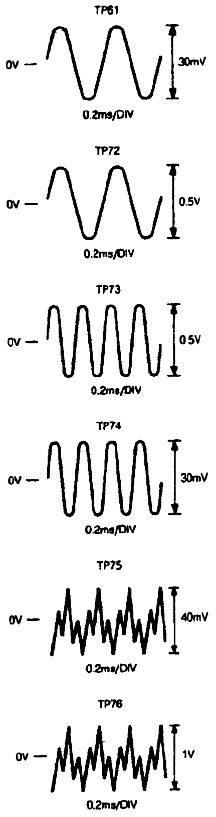
Main sound output amplifiers
Haupt-Tonendstufen
Amplificatori di potenza del suono
Amplificateurs principaux de sortie son

G
1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
F87
3L01
L
3050
10k
F88
5L01
R
2001
4n7
+11
7009
LM833N
8
3
2
0V
1
3051
20k
2003
22p
3000
9k1
2065
680n
3065
180k
2026
220n
2056
560p
2050
33u
2051
33u
-L
+R
5
6
7
4
2002
4n7
-11
3052
4k7
2009
22p
3001
9k1
2066
680n
2027
220n
2057
560p
3066
180k
3053
4k7
+5
6021
LL4148
2072
100u
VAR OUT
F89
7L01
3034
4k7
7012
BC848
7007
BC848
7006
BC848C
A4
3036
1k5
2073
15u
2038
2n2
3037
1k5
3033
15k
3032
1k
6012
LL4148
3030
12k
3004
100k
2013
220n
7002
LM833N
3009
200k
2031
22p
3011
20k
4004
2040
220n
9043
-R
2058
560p
2052
33u
2053
33u
3004
100k
+11
-11
700
TDA
H90
6L01
7008
BC848
3035
15k
3031
1k
6011
LL4148
3029
12k
7005
BC848C
3043
20k
3005
100k
2012
220n
3012
20k
2041
220n
+L
2059
560p
2011
680p
3014
300k
3006
200k
2030
22p
4007
701
TDA
2028
220n
2061
560p
3060
20k
2029
220n
2062
560p
A3
A2
A6

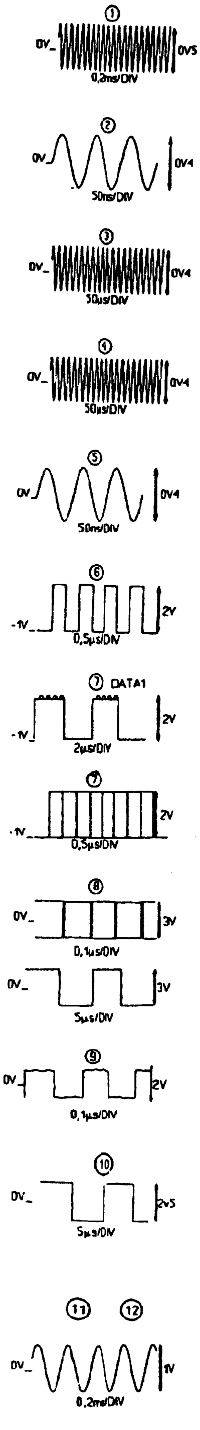
Amplificateur audio

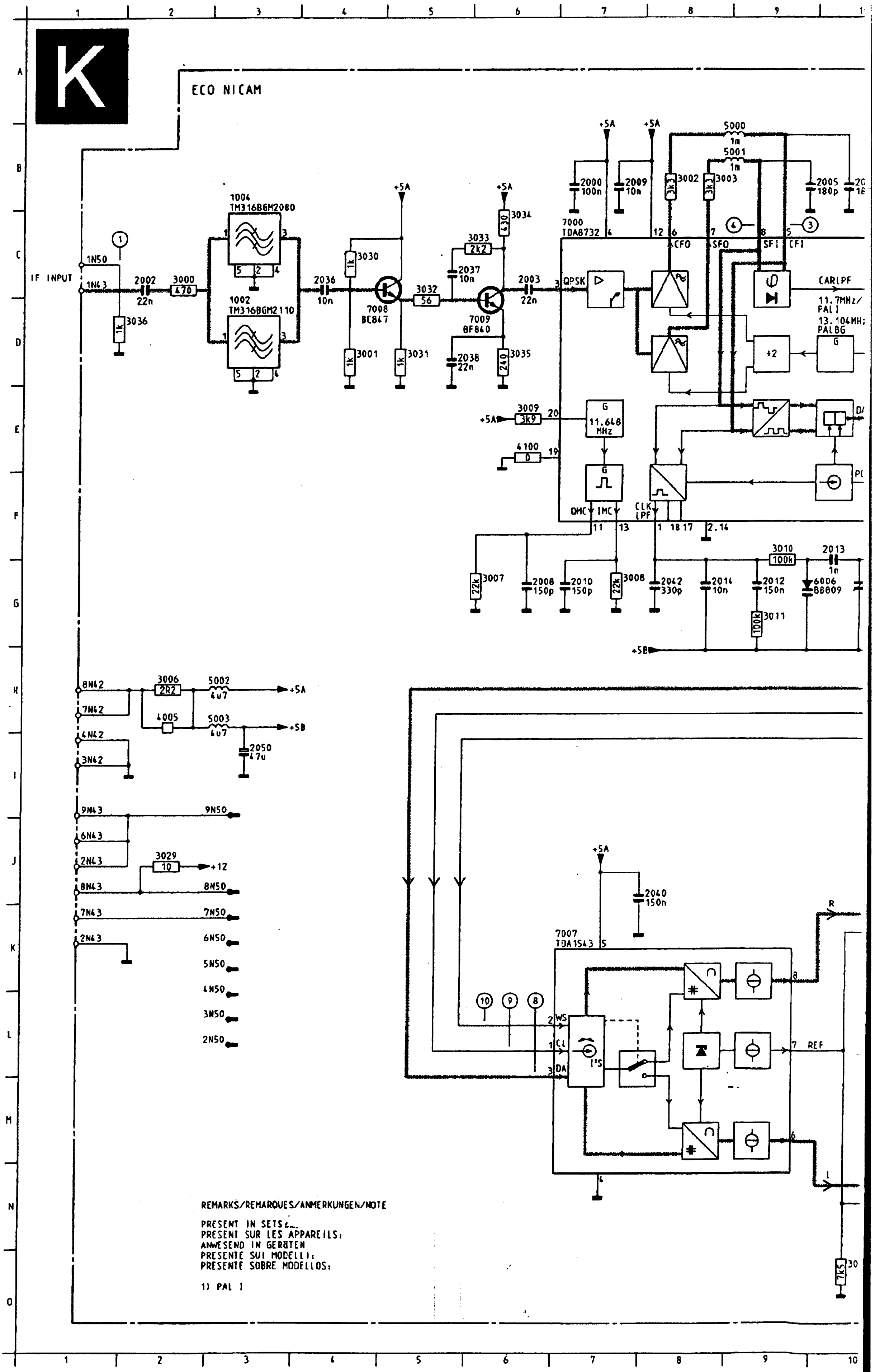

G
11
12
13
14
15
16
17
18
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
+11
6016
LL4148
2042
220n
7000
TDA1521Q/N4
-L
+R
2056
560p
2050
33u
2051
33u
2057
560p
0V
2043
220n
-11
0209
SK2
2015
22u
2023
3n3
6008
P4KE30C-7000
EXT
SQUEETER
2016
22u
2024
3n3
2008
22n
2007
22n
3006
100k
9055
9053
2044
220n
3022
8R2
3021
8R2
7001
TDA1521Q/N4
9043
-R
+L
9008
9029
3054
4M7
1L35
2L36
9013
INT
WOOFER
2058
560p
2052
33u
2053
33u
2059
560p
ONLY FL1.1
9012
RED
BLACK
2019
6n8
EXT L
2020
6n8
EXT R
9052
2045
220n
3014
300k
7011
TDA1521AQ
2046
220n
2061
560p
3016
8R2
3002
33k
2032
22n
3003
33k
2022
10n
SURROUND R
2021
10n
SURROUND L
2062
560p
2047
220n
3040
27k
2071
33u
3044
220
3072
47
3067
7k5
+V START
A36
3041
1k5
7010
BC858
2070
33u
3069
7k5
7013
BC848
6000
LL4148
3027
10k
3028
10k
6001
LL4148
7003
BC848
6010
LL4148
3068
1k2
A99
SOUND PROT.
B8
A+B+F
CHASSIS FL1.1
CL26532120/015.GREF
150792

0209	B15	9008	F14
2001	A 3	9012	H16
2002	D 3	9013	G16
2003	A 5	9029	F14
2007	D14	9043	G11
2008	D14	9043	H 9
2009	D 5	9052	I12
2011	I10	9053	F12
2012	I 7	9055	E13
2013	F 7		
2015	B16		
2016	C16		
2019	I17		
2020	J17		
2021	L17		
2022	K17		
2023	B17		
2024	D17		
2026	B10		
2027	C10		
2028	K10		
2029	L10		
2030	J 7		
2031	F 9		
2032	L13		
2038	G 2		
2040	E10		
2040	G10		
2041	H10		
2042	A13		
2043	D13		
2044	F13		
2045	I13		
2046	J13		
2047	M13		
2050	B11		
2051	C11		
2052	G11		
2053	H11		
2056	B11		
2057	D11		
2058	G11		
2059	H11		
2061	K11		
2062	M11		
2065	B 5		
2066	C 5		
2070	N16		
2071	N15		
2072	F 5		
2073	G 2		
3000	B 5		
3001	C 5		
3002	K14		
3003	L14		
3004	G 6		
3004	E11		
3005	H 6		
3006	J 7		
3009	F 9		
3011	G 9		
3012	H 9		
3014	I11		
3016	K13		
3021	F15		
3022	F14		
3027	N13		
3028	N13		
3029	I 5		
3030	G 5		
3031	H 4		
3032	G 4		
3033	G 4		
3034	F 4		
3035	H 3		
3036	G 2		
3037	G 3		
3040	M14		
3041	N14		
3043	H 6		
3044	M15		
3050	B 2		
3051	A 5		
3052	D 4		
3053	E 3		
3054	F17		
3060	K 9		
3065	B 6		
3066	D 6		
3067	M17		
3068	O15		
3069	N16		
3072	M16		
4004	G 9		
4007	J 9		
6000	N13		
6001	N13		
6008	B17		
6010	N15		
6011	H 5		
6012	G 5		
6016	A12		
6021	F 5		
7000	A12		
7001	F12		
7002	F 7		
7003	O14		
7005	H 5		
7006	G 5		
7007	G 4		
7008	H 4		
7009	A 3		
7010	N15		
7011	J12		
7012	G 3		
7013	N17		



PRS.06962
T-26/113

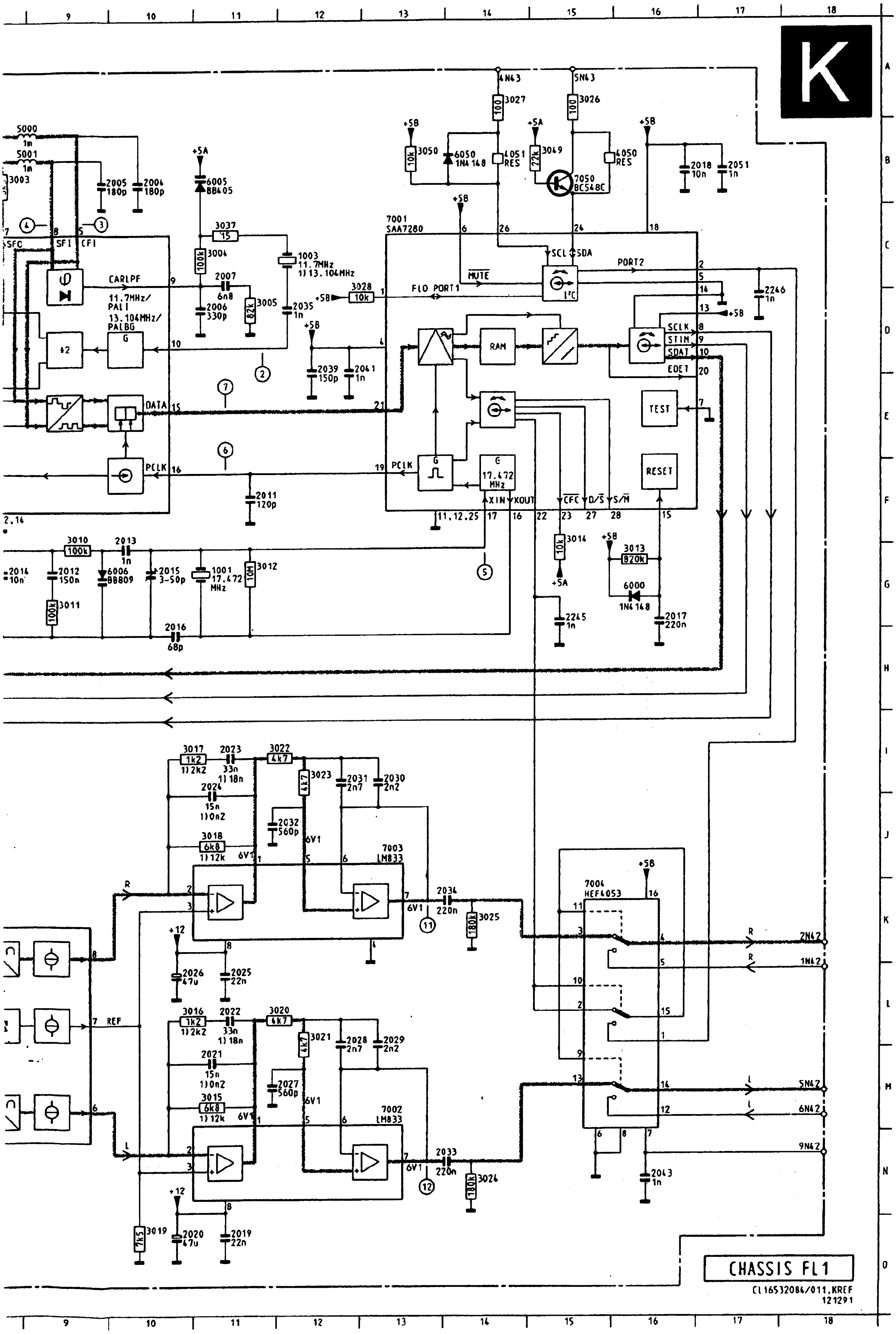



K
ECO NICAM
IF INPUT
1N50
1N43
2002 22n
3000 470
3036 1k
1004 TM316BGM2080
1002 TM316BGM2110
2036 10n
3030 1k
3001 1k
7008 BC847
3031 1k
3032 56
2037 10n
3033 2k2
3034 430
7009 BF840
2038 22n
3035 240
2003 22n
+5A
7000 TDA8732
QPSK
CFO
SFO
SFI
CFI
CARLPF
11.7MHz/ PAL I
13.104MHz PALBG
5000 1n
5001 1n
2000 100n
2009 10n
3002 3k3
3003 3k3
2005 180p
+2
G
3009 3k9
11.648 MHz
4100 0
DMC
IMC
CLK LPF
3007 22k
2008 150p
2010 150p
3008 22k
2042 330p
2014 10n
3010 100k
2012 150n
3011 100k
2013 1n
6006 BB809
+5B
8N42
7N42
4N42
3N42
3006 2R2
4005
5002 4u7
5003 4u7
2050 47u
9N43
6N43
2N43
8N43
7N43
2N43
9N50
3029 10
+12
8N50
7N50
6N50
5N50
4N50
3N50
2N50
2040 150n
7007 TDA1543
WS
CL
DA
I²S
R
REF
L
7k5

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

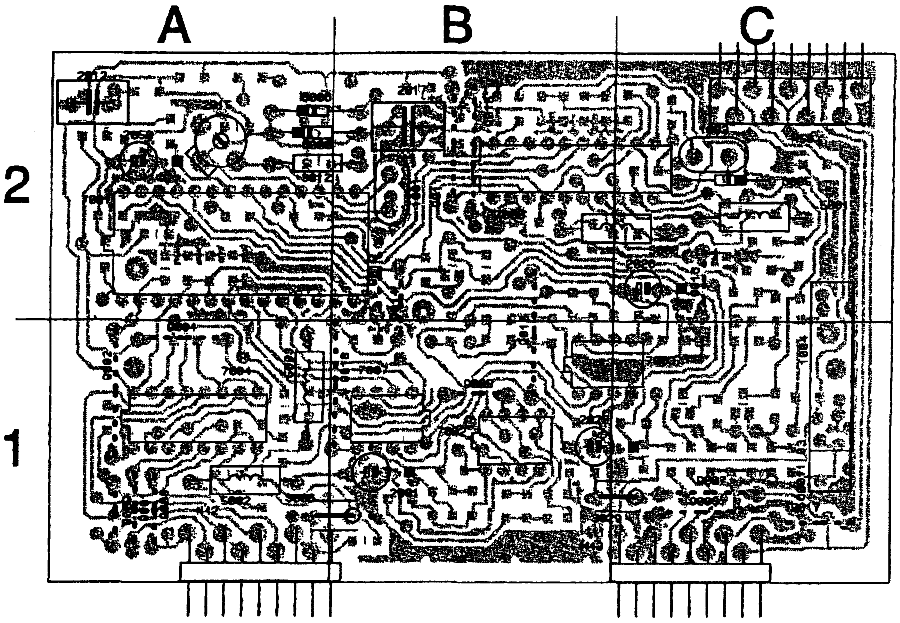
PRESENT IN SETS1)
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL I


K
7001
SAA7280
7050
BC548C
7003
LM833
7002
LM833
7004
HEF4053
1003
11.7MHz
1) 13.104MHz
1001
17.472
MHz
CARLPF
11.7MHz/
PAL I
13.104MHz/
PALBG
DATA
PCLK
FLO PORT1
MUTE
SCL
SDA
PORT2
I²C
RAM
SCLK
STIN
SDAT
EDET
TEST
RESET
17.472
MHz
XIN
XOUT
CFC
D/S
S/M
SFC
SFI
CFI
REF
R
L
2N42
1N42
5N42
6N42
9N42
4N43
5N43
+5A
+5B
+12
6V1
CHASSIS FL1
CL16532084/011.KREF
121291

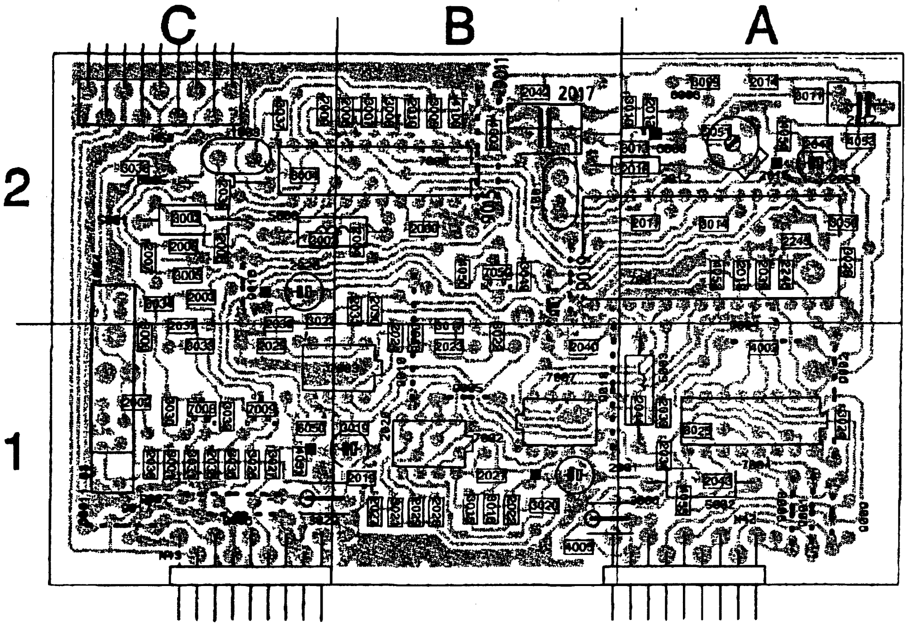
1001	G11
1002	D 3
1003	C12
1004	B 3
2000	B 7
2002	C 2
2003	C 6
2004	B10
2005	B 9
2006	D11
2007	C11
2008	G 6
2009	B 7
2010	G 7
2011	F11
2012	G 9
2013	F10
2014	G 8
2015	G10
2016	G10
2017	G16
2018	B16
2019	O11
2020	O10
2021	M11
2022	L11
2023	I11
2024	I11
2025	L11
2026	L10
2027	M12
2028	L12
2029	L13
2030	I13
2031	I12
2032	J12
2033	N14
2034	K14
2035	D12
2036	C 4
2037	C 5
2038	D 5
2039	D12
2040	J 8
2041	D12
2042	G 8
2043	N16
2050	I 3
2051	B17
2245	G15
2246	D17
3000	C 2
3001	D 4
3002	B 8
3003	B 8
3004	C11
3005	D11
3006	H 2
3007	G 6
3008	G 7
3009	E 6
3010	F 9
3011	G 9
3012	G11
3013	G16
3014	F15
3015	M11
3016	L10
3017	I10
3018	J11
3019	O10
3020	L12
3021	L12
3022	I12
3023	I12
3024	N14
3025	K14
3026	A15
3027	A14
3028	C13
3029	J 2
3030	C 4
3031	D 5
3032	C 5
3033	C 6
3034	C 6
3035	D 6
3036	D 1
3037	C11
3049	B15
3050	B13
4005	H 2
4050	B16
4051	B14
4100	E 6
5000	B 9
5001	B 9
5002	H 3
5003	H 3
6000	G16
6005	B11
6006	G 9
6050	B14
7000	C 7
7001	C13
7002	M13
7003	J13
7004	K15
7007	K 7
7008	D 5
7009	D 6
7050	B15

NICAM



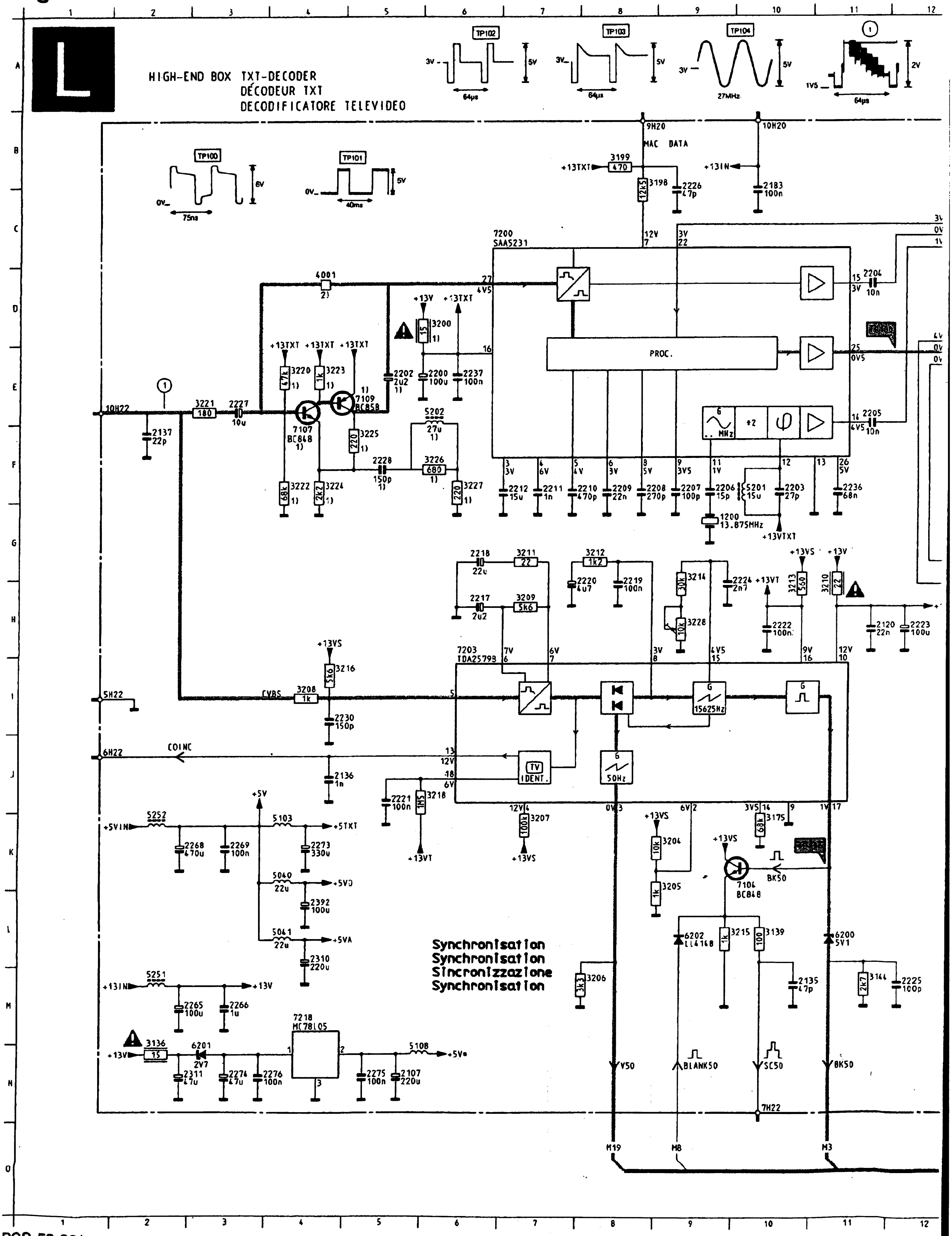
N42	A1
N43	C1
N50	C2
1001	B2
1003	C2
1004	C1
2000	B2
2001	B1
2002	C1
2003	C2
2004	B2
2005	C2
2006	C2
2007	C2
2008	B2
2009	C2
2010	B2
2011	A2
2012	A2
2013	A2
2014	A2
2015	A2
2016	A2
2017	B2
2018	A2
2019	B1
2020	B1
2021	B1
2022	B1
2023	B1
2024	B1
2025	C1
2026	C2
2027	B1
2028	B1
2029	B1
2030	B2
2031	B2
2032	C2
2033	A1
2034	A1
2035	C2
2036	C1
2037	C1
2038	C1
2039	A2
2040	B1
2041	A2
2042	B2
2043	A1
2044	A1
2050	A2
2051	A2
2245	A2
2246	A2
3000	C1
3001	C1
3002	C2
3003	C2
3004	C2
3005	C2
3006	B1
3007	B2
3008	B2
3009	B2
3009	B2
3010	A2
3011	A2
3012	A2
3013	A2
3014	A2
3015	B1
3016	B1
3017	B1
3018	B1
3019	B1
3020	B1
3021	B1
3022	B1
3023	C2
3024	A1
3025	A1
3026	C1
3027	C1
3028	A2
3029	C1
3030	C1
3031	C1
3032	C1
3033	C1
3034	C2
3035	C1
3036	C2
3037	C2
3049	B2
3050	A2
3099	A2
4002	A1
4003	B2
4005	B1
4050	B2
4051	C1
4052	A2
4053	A2
4054	A2
4055	A1
4100	B2
4100	B2
5000	C2
5001	C2
5002	A1
5003	A1
6000	A2
6001	C1
6005	C2
6006	A2
6050	C1
7000	B2
7001	A2
7002	B1
7003	B1
7004	A1
7007	B1
7008	C1
7009	C1
7050	B2
9001	A1
9002	A1
9004	A1
9005	B1
9006	C1
9007	C1
9008	A1
9009	A1
9010	B1
9011	B2
9014	B2
9015	B2
9016	C2
9017	C1
9018	B1
9019	B2

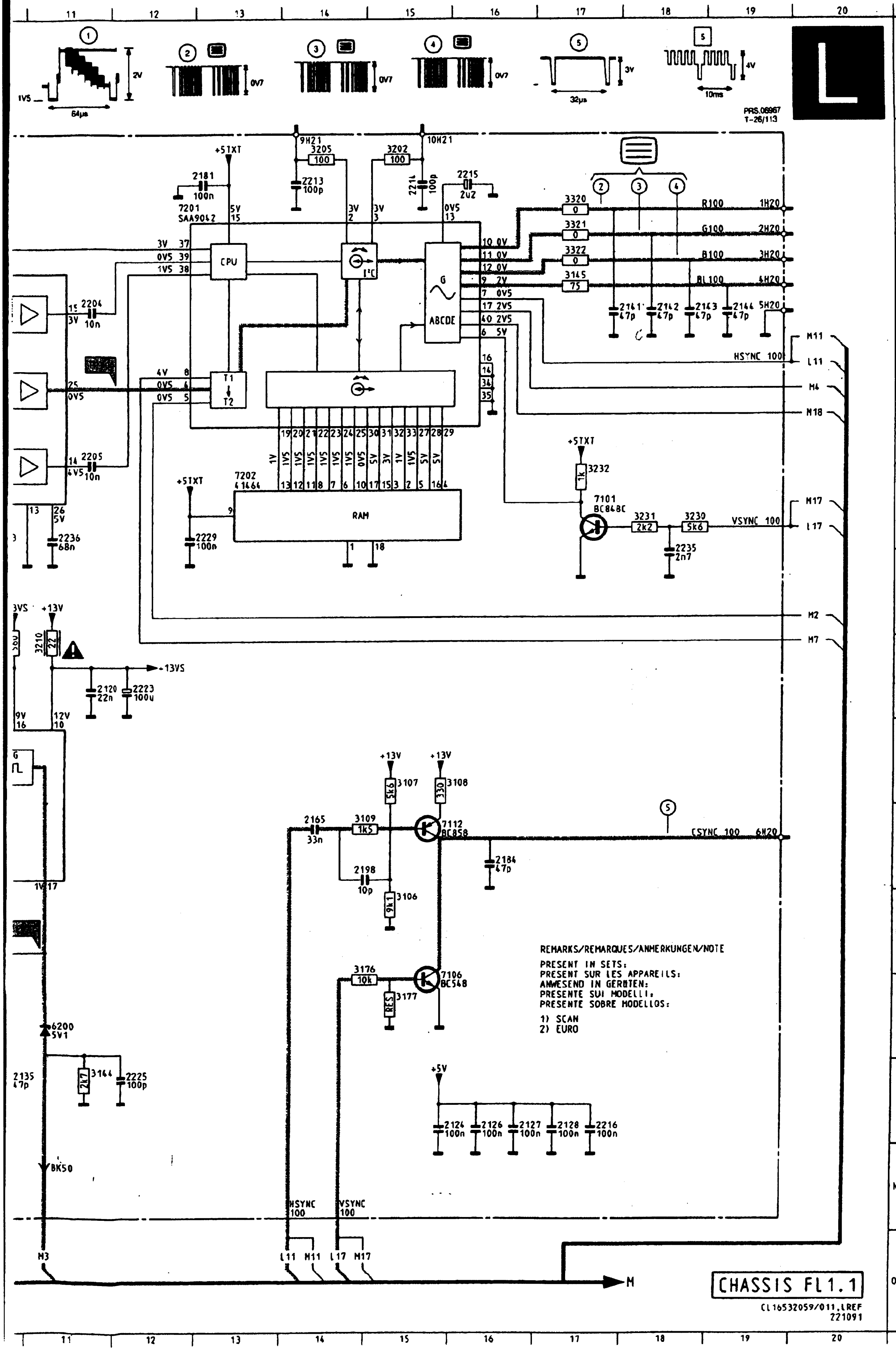
NICAM



N42 A1
N43 C1
N50 C2
1001 B2
1003 C2
1004 C1
2000 B2
2001 B1
2002 C1
2003 C2
2004 B2
2005 C2
2006 C2
2007 C2
2008 B2
2009 C2
2010 B2
2011 A2
2012 A2
2013 A2
2014 A2
2015 A2
2016 A2
2017 B2
2018 A2
2019 B1
2020 B1
2021 B1
2022 B1
2023 B1
2024 B1
2025 C1
2026 C2
2027 B1
2028 B1
2029 B1
2030 B2
2031 B2
2032 C2
2033 A1
2034 A1
2035 C2
2036 C1
2037 C1
2038 C1
2039 A2
2040 B1
2041 A2
2042 B2
2043 A1
2044 A1
2050 A2
2051 A2
2245 A2
2246 A2
3000 C1
3001 C1
3002 C2
3003 C2
3004 C2
3005 C2
3006 B1
3007 B2
3008 B2
3009 B2
3009 B2
3010 A2
3011 A2
3012 A2
3013 A2
3014 A2
3015 B1
3016 B1
3017 B1
3018 B1
3019 B1
3020 B1
3021 B1
3022 B1
3023 C2
3024 A1
3025 A1
3026 C1
3027 C1
3028 A2
3029 C1
3030 C1
3031 C1
3032 C1
3033 C1
3034 C2
3035 C1
3036 C2
3037 C2
3049 B2
3050 A2
3099 A2
4002 A1
4003 B2
4005 B1
4050 B2
4051 C1
4052 A2
4053 A2
4054 A2
4055 A1
4100 B2
4100 B2
5000 C2
5001 C2
5002 A1
5003 A1
6000 A2
6001 C1
6005 C2
6006 A2
6050 C1
7000 B2
7001 A2
7002 B1
7003 B1
7004 A1
7007 B1
7008 C1
7009 C1
7050 B2
9001 A1
9002 A1
9004 A1
9005 B1
9006 C1
9007 C1
9008 A1
9009 A1
9010 B1
9011 B2
9014 B2
9015 B2
9016 C2
9017 C1
9018 B1
9019 B2

High-end box


L
HIGH-END BOX TXT-DECODER
DÉCODEUR TXT
DECODIFICATORE TELEVIDEO
TP100
TP101
TP102
TP103
TP104
①
7200
SAA5231
PROC.
7203
TDA2579B
7107
BC848
7109
BC858
7104
BC848
7218
MC78L05
1200
13.875MHz
TV IDENT.
15625Hz
50Hz
CVBS
COINC
MAC DATA
9H20
10H20
10H22
5H22
6H22
7H22
+5VIN
+5TXT
+5VD
+5VA
+13IN
+13V
+5V*
VS0
BLANKS0
SCS0
BKS0
M19
M8
M3
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation


11 12 13 14 15 16 17 18 19 20
① 2V 1V5 64μs
② 0V7
③ 0V7
④ 0V7
⑤ 3V 32μs
5 4V 10ms
PRS.06967 T-26/113
L
+5TXT
2181 100n
7201 SAA9042
CPU
3V 37
0V5 39
1V5 38
9H21
3205 100
2213 100p
3202 100
10H21
2214 100p
2215 2u2
I²C
G
ABCDE
3320 0
3321 0
3322 0
3145 75
R100 1H20
G100 2H20
B100 3H20
BL100 4H20
5H20
2141 47p
2142 47p
2143 47p
2144 47p
HSYNC 100
M11
L11
M4
M18
2204 10n
2205 10n
T1 T2
4V 8
0V5 6
0V5 5
7202 41464
RAM
+5TXT
2229 100n
2236 68n
3232 1k
7101 BC848C
3231 2k2
3230 5k6
VSYNC 100
2235 2n7
M17
L17
M2
M7
+13V
3210 22
2120 22n
2223 100u
+13VS
+13V
3107 5k6
3108 330
2165 33n
3109 1k5
7112 BC858
2198 10p
3106 9k1
2184 47p
CSYNC 100 6H20
3176 10k
7106 BC548
3177 RES
6200 5V1
2135 47p
3144 2k7
2225 100p
BK50
+5V
2124 100n
2126 100n
2127 100n
2128 100n
2216 100n
HSYNC 100
VSYNC 100
M3
L11 M11 L17 M17
M

REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) SCAN
2) EURO

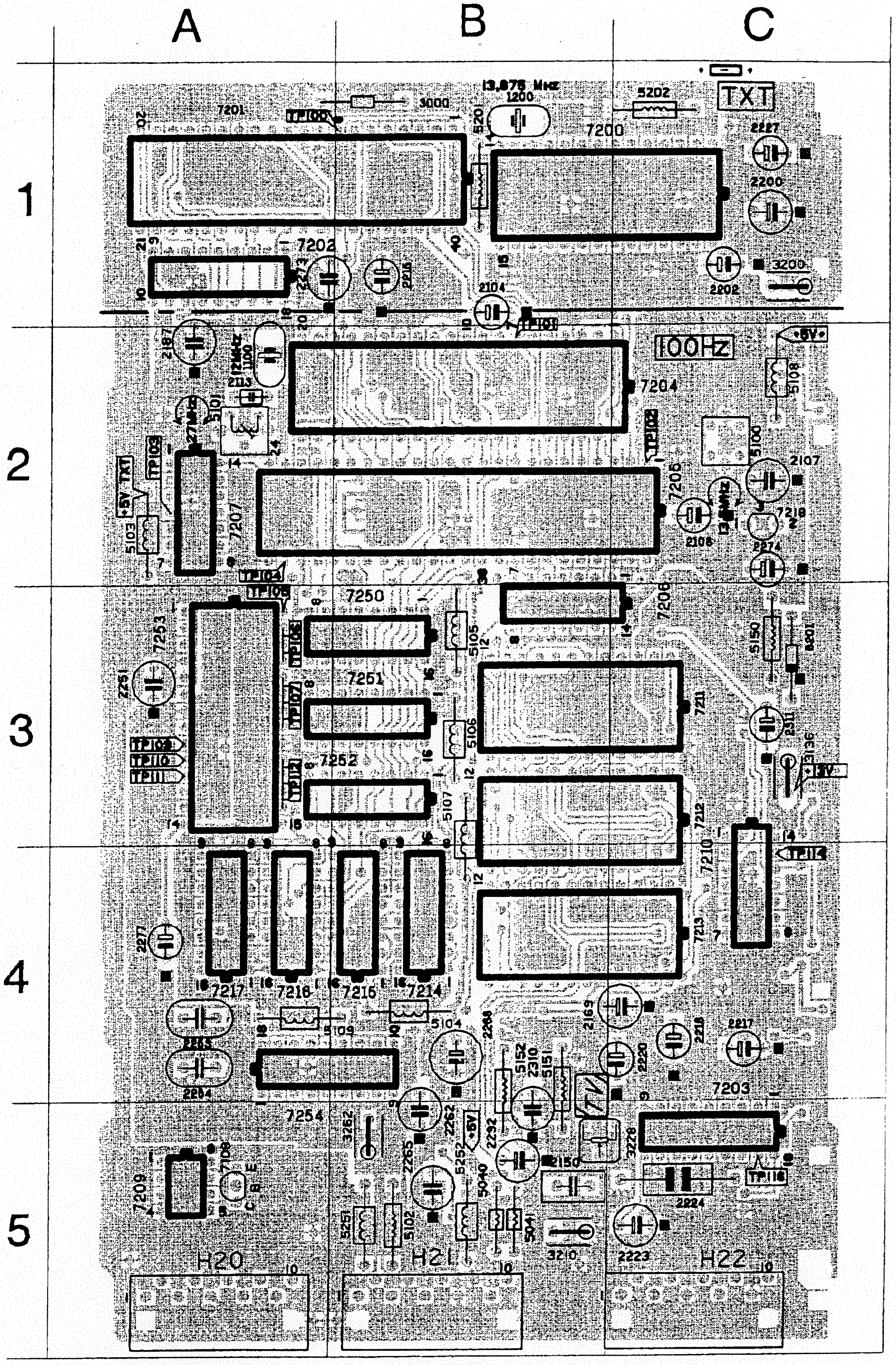
CHASSIS FL1.1

CL16532059/011.LREF
221091

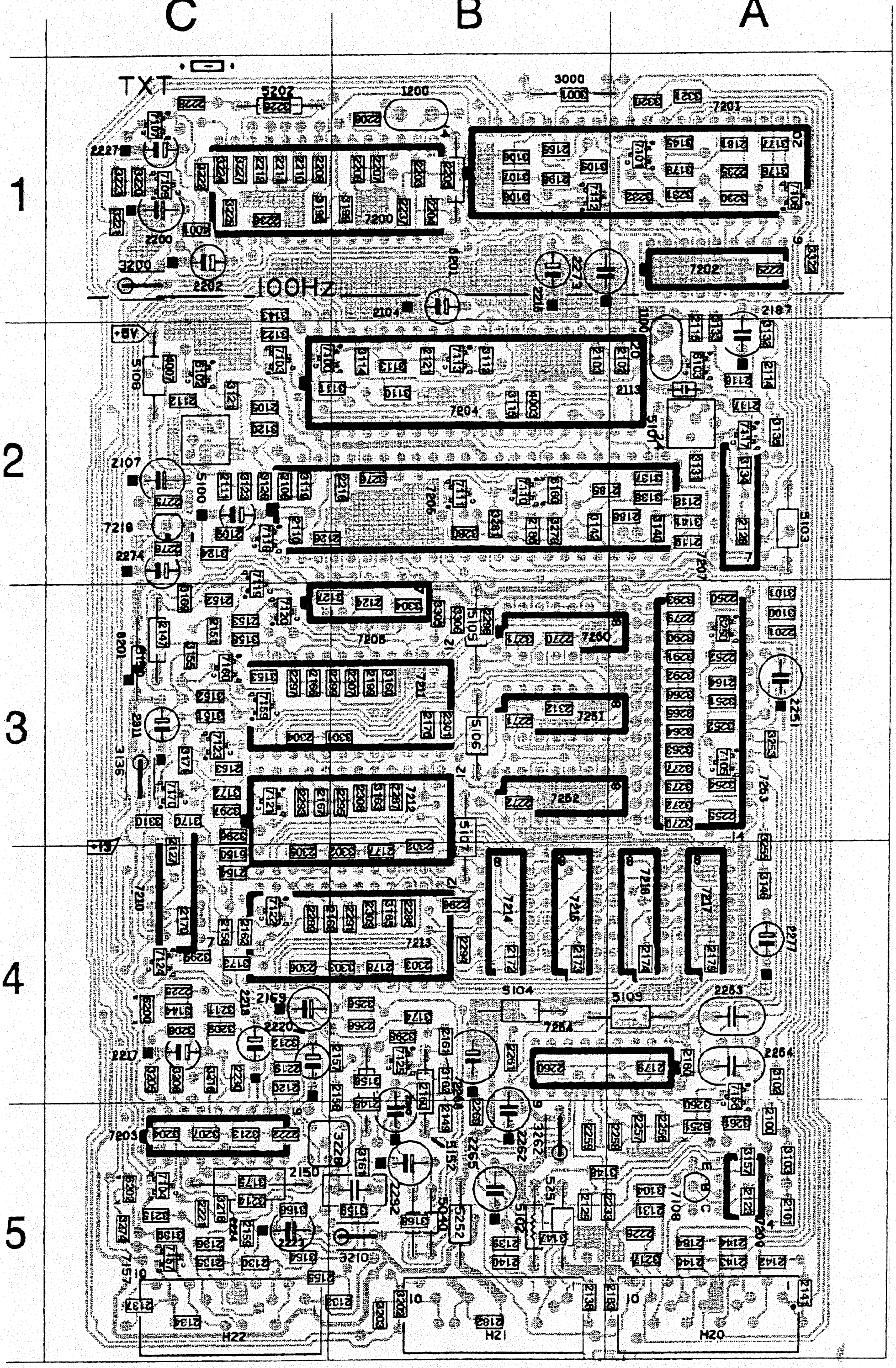
1200	G 9	6200	L11
2107	N 5	6201	N 3
2120	H11	6202	L 9
2124	M15	7101	F17
2126	M16	7104	K10
2127	M16	7106	L15
2128	M17	7107	F 4
2135	M10	7109	E 5
2136	J 4	7112	J15
2137	F 2	7200	C 6
2141	D17	7201	C12
2142	C18	7202	F13
2143	D18	7203	H 6
2144	D19	7218	M 4
2165	J14		
2181	B13		
2183	C10		
2184	J16		
2198	J14		
2200	E 6		
2202	E 5		
2203	F10		
2204	D11		
2205	E11		
2206	F 9		
2207	F 9		
2208	F 8		
2209	F 8		
2210	F 7		
2211	F 7		
2212	F 7		
2213	B14		
2214	B15		
2215	B16		
2216	M17		
2217	H 6		
2218	G 6		
2219	H 8		
2220	H 7		
2221	J 5		
2222	H10		
2223	H12		
2224	H 9		
2225	M12		
2226	C 9		
2227	E 3		
2228	F 5		
2229	F12		
2230	I 4		
2235	G18		
2236	F11		
2237	E 6		
2265	M 2		
2266	M 3		
2268	K 2		
2269	K 3		
2273	K 4		
2274	N 3		
2275	N 5		
2276	N 3		
2310	L 4		
2311	N 2		
2392	L 4		
3106	K15		
3107	I15		
3108	I15		
3109	J14		
3136	N 2		
3139	L10		
3144	M11		
3145	C17		
3175	K10		
3176	K14		
3177	L15		
3198	B 8		
3199	B 8		
3200	D 6		
3202	B15		
3204	K 9		
3205	B14		
3205	K 9		
3206	M 8		
3207	K 7		
3208	I 4		
3209	H 7		
3210	H11		
3211	G 7		
3212	G 8		
3213	H10		
3214	G 9		
3215	L 9		
3216	I 4		
3218	J 6		
3220	E 4		
3221	E 3		
3222	F 4		
3223	E 4		
3224	F 4		
3225	F 5		
3226	F 6		
3227	F 6		
3228	H 9		
3230	F18		
3231	F18		
3232	E17		
3320	B17		
3321	C17		
3322	C17		
4001	D 4		
5040	K 4		
5041	L 4		
5103	K 4		
5201	F10		
5202	E 6		
5251	M 2		
5252	K 2		

High-end box

1200	B1
2104	B1
2107	C2
2108	C2
2113	A2
2150	C5
2169	C4
2187	A2
2200	C1
2202	C1
2215	B1
2217	C4
2218	C4
2220	C4
2223	C5
2224	C5
2227	C1
2251	A3
2253	A4
2254	A4
2262	B5
2265	B5
2268	B4
2273	B1
2274	C2
2277	A4
2292	B5
2310	B5
2311	C3
3000	B1
3136	C3
3200	C1
3210	B5
3228	C5
3262	B5
5040	B5
5041	B5
5100	C2
5101	A2
5102	B5
5103	A2
5104	B4
5105	B3
5106	B3
5107	B3
5108	C2
5109	B4
5150	C3
5151	B4
5152	B4
5201	B1
5202	C1
5251	B5
5252	B5
6201	C3
7108	A5
7200	C1
7201	B1
7202	A1
7203	C5
7204	C2
7205	C2
7206	C2
7207	A2
7209	A5
7210	C3
7211	C3
7212	C3
7213	C4
7214	B4
7215	B4
7216	B4
7217	A4
7218	C2
7250	B3
7251	B3
7252	B3
7253	A3
7254	A4
H20	A5
H21	B5
H22	C5

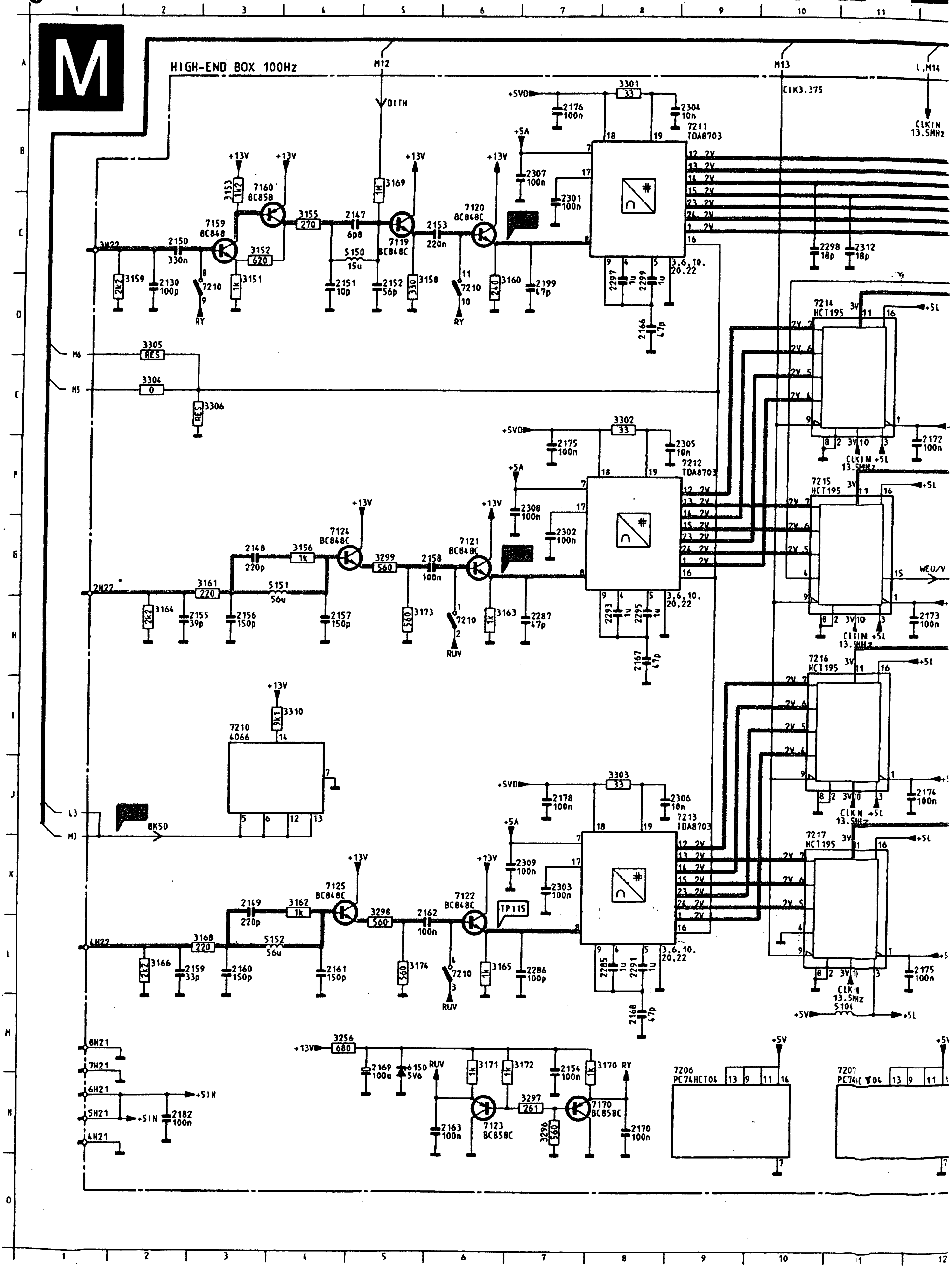

A
B
C
1
2
3
4
5
13,875 MHz
1200
3000
5202
TXT
7201
7200
2227
2200
7202
2273
2215
2104
2202
3200
100Hz
+5V
5108
7204
2187
2113
5101
7207
5103
+5V TXT
TP103
7205
5100
2107
7218
2108
2274
7250
7206
7253
2251
7251
5105
5106
7211
5150
5201
2311
3136
+5V
TP109
TP110
TP111
7252
5107
7212
7210
TP114
2277
7217
7216
7215
7214
7213
5109
5104
2268
2169
2220
2218
2217
2253
2254
7254
5152
2310
5151
7203
3262
2262
2265
5252
2292
5040
2150
3228
2224
TP116
7209
7108
C B E
5251
5102
5041
3210
2223
H20
H21
H22

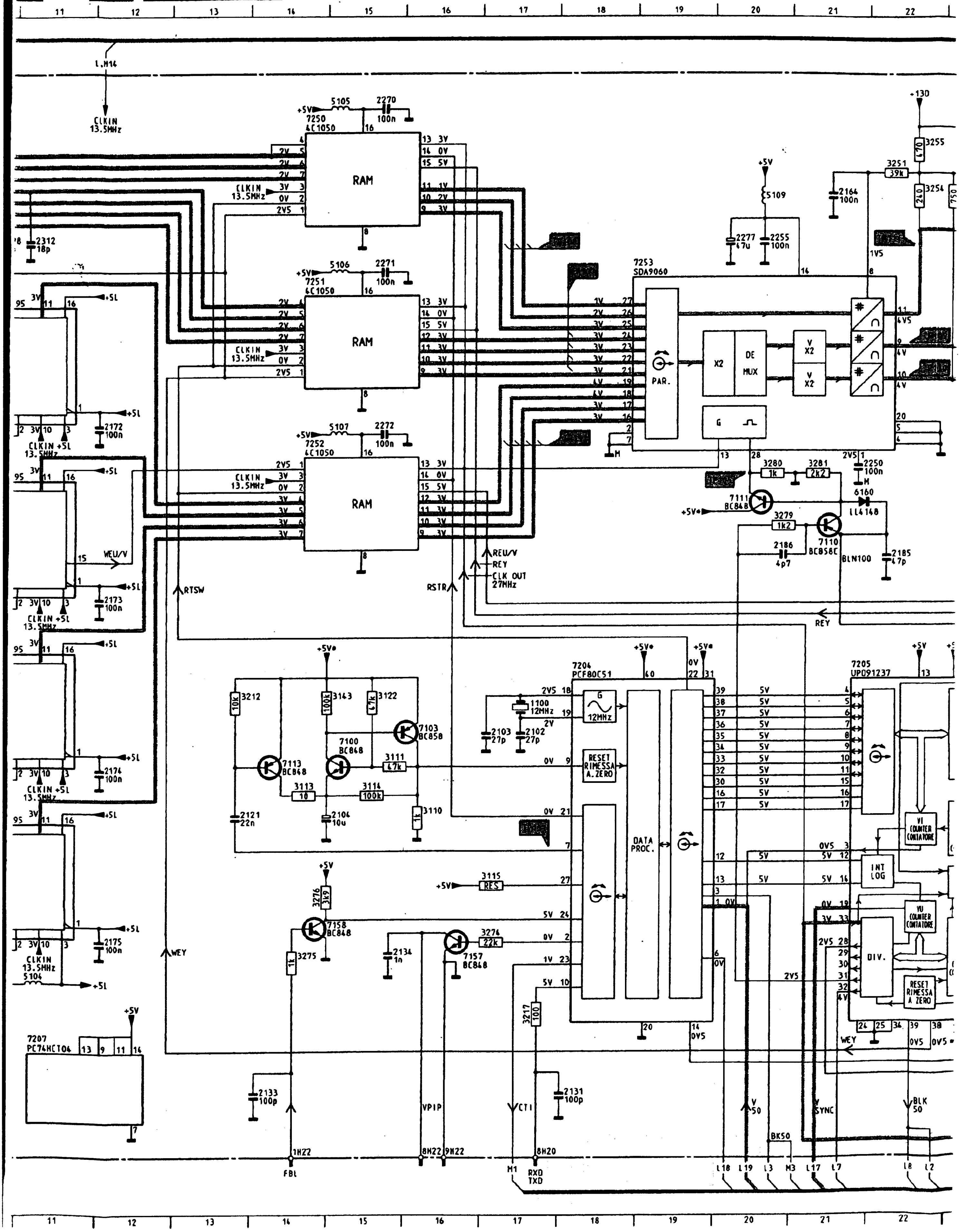
High-end box

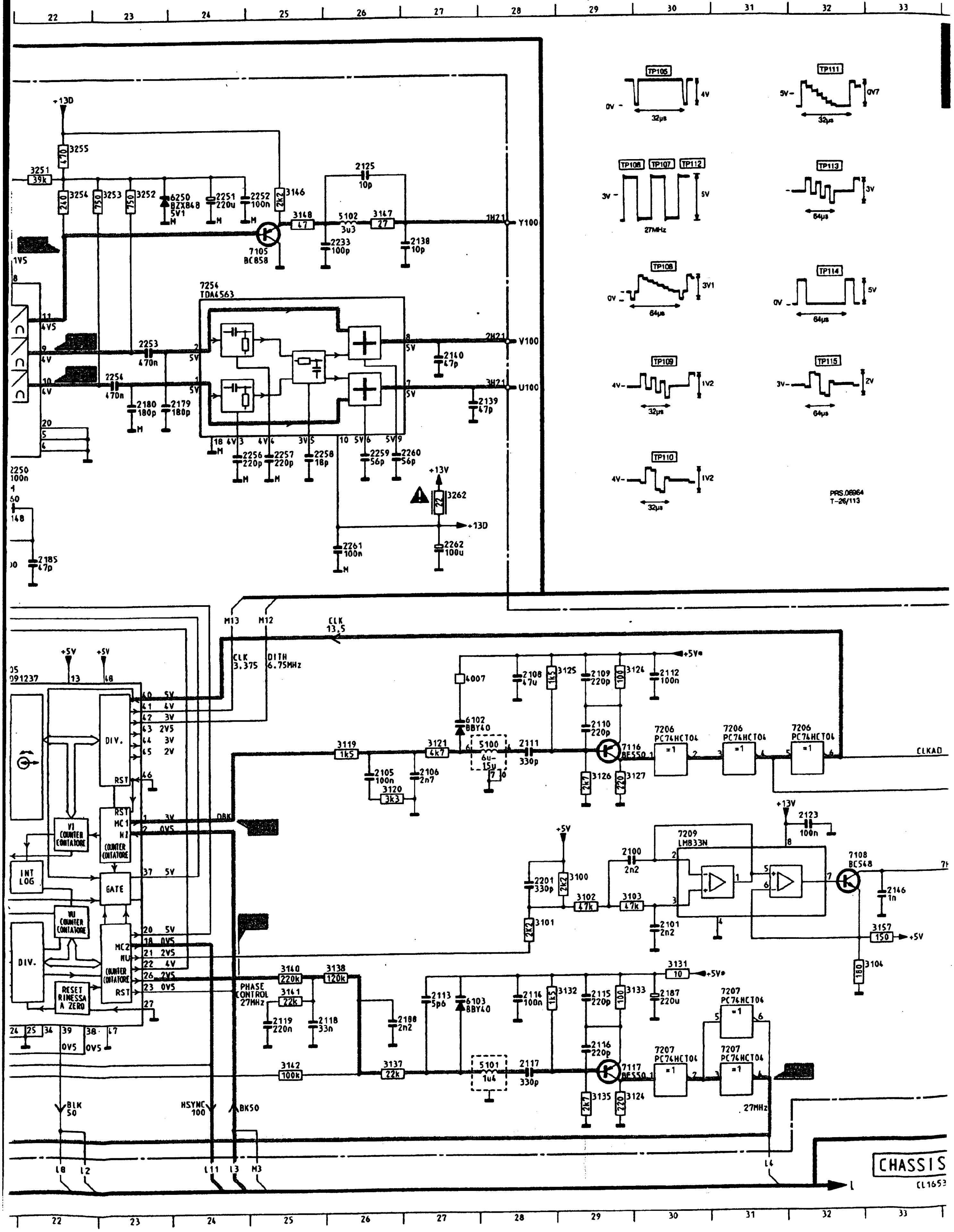


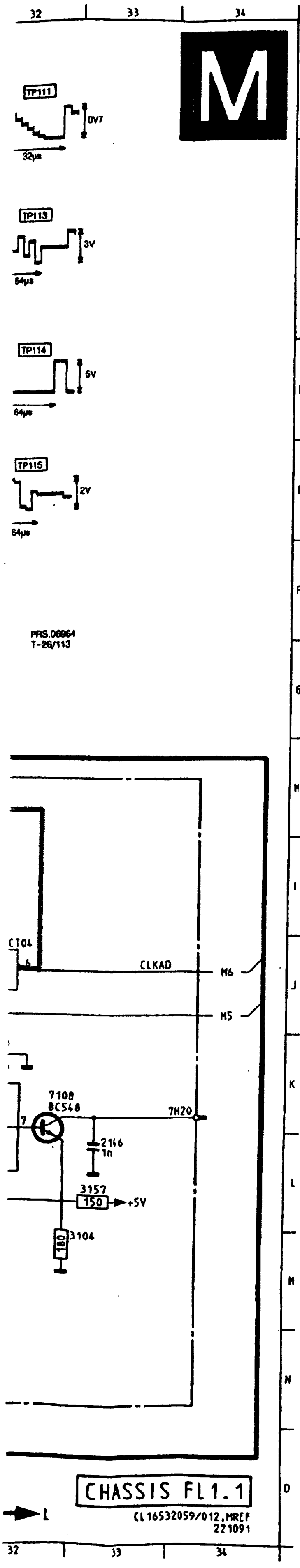
H20	A5
H21	B5
H22	C5
1200	B1
2100	A5
2101	A5
2102	B2
2103	B2
2104	B1
2105	C2
2106	C2
2107	C2
2108	C2
2109	C2
2110	C2
2111	C2
2112	C2
2113	A2
2114	A2
2115	A2
2116	A2
2117	A2
2118	A2
2119	A2
2120	C4
2121	B2
2123	A5
2124	B3
2125	B5
2126	C2
2127	C3
2128	A2
2130	C5
2131	A5
2133	C5
2134	C5
2135	C5
2136	C5
2137	C5
2138	B5
2139	B5
2140	B5
2141	A5
2142	A5
2143	A5
2144	A5
2146	A5
2147	C3
2148	B4
2149	B5
2150	C5
2151	C3
2152	C3
2153	C3
2154	C4
2155	C5
2156	C4
2157	C4
2158	C4
2159	C5
2160	B4
2161	B4
2162	C4
2163	C3
2164	A3
2165	B1
2166	C3
2167	C3
2168	C4
2169	C4
2170	C4
2172	B4
2173	B4
2174	A4
2175	A4
2176	B3
2177	B4
2178	B4
2179	A4
2180	A4
2181	A1
2182	B5
2183	B5
2184	A5
2185	B2
2186	B2
2187	A2
2188	B2
2198	B1
2199	B3
2200	C1
2201	A3
2202	C1
2203	B1
2204	B1
2205	B1
2206	B1
2207	B1
2208	C1
2209	C1
2210	C1
2211	C1
2212	C1
2215	B1
2216	C2
2217	C4
2218	C4
2219	C4
2220	C4
2221	C5
2222	C5
2223	C5
2224	C5
2225	C4
2226	A5
2227	C1
2228	C1
2229	A1
2230	C4
2233	B5
2235	A1
2236	C1
2237	B1
2250	A3
2251	A3
2252	A3
2253	A4
2254	A4
2255	A3
2256	A5
2257	A5
2258	B5
2259	B5
2260	B4
2261	B4
2262	B5
2265	B5
2266	B4
2268	B4
2269	B5
2270	B3
2271	B3
2272	B3
2273	B1
2274	C2
2275	C2
2276	C2
2277	A4
2279	A3
2286	B4
2287	B3
2289	C4
2291	C4
2292	B5
2293	C3
2294	B4
2295	C3
2296	B4
2297	C3
2298	B3
2299	C3
2301	B3
2302	B3
2303	B4
2304	C3
2305	C4
2306	C4
2307	C3
2308	B3
2309	B4
2310	B5
2311	C3
2312	B3
3000	B1
3001	B1
3100	A3
3101	A3
3102	A4
3103	A5
3104	A5
3106	B1
3107	B1
3108	B1
3109	B1
3110	B2
3111	C2
3112	B2
3113	B2
3114	B2
3115	B2
3119	C2
3120	C2
3121	C2
3122	C2
3123	C2
3124	C2
3126	C2
3127	C3
3131	A2
3132	A2
3133	A2
3134	A2
3135	A2
3136	C3
3137	A2
3138	A2
3139	C5
3140	A2
3141	A2
3142	B2
3143	C1
3144	C4
3145	A1
3146	A4
3147	B5
3148	B5
3151	C3
3152	C3
3153	C3
3155	C3
3156	B4
3157	A5
3158	C3
3159	C5
3160	B3
3161	B5
3162	B4
3163	B3
3164	C5
3165	B4
3166	C5
3168	B5
3169	C3
3170	C3
3171	C3
3172	C3
3173	C4
3174	B4
3175	C5
3176	A1
3177	A1
3178	A1
3198	C1
3199	C1
3200	C1
3202	B5
3203	B5
3204	C5
3205	C4
3206	C4
3207	C5
3208	C4
3209	C4
3210	B5
3211	C4
3212	C4
3213	C5
3214	C5
3215	C5
3216	C4
3217	A5
3218	C5
3220	C1
3221	C1
3222	C1
3223	C1
3224	C1
3225	C1
3226	C1
3227	C1
3228	C5
3230	A1
3231	A1
3232	B1
3251	A3
3252	A3
3253	A3
3254	A3
3255	A3
3256	B4
3260	A4
3261	A5
3262	B5
3263	A3
3264	A3
3265	A3
3266	A3
3270	A3
3271	B3
3272	A3
3273	A3
3274	C5
3276	B2
3277	A3
3279	B2
3280	B2
3281	B2
3290	A3
3291	A3
3292	A3
3293	A3
3296	C3
3297	C3
3298	B4
3299	C4
3301	C3
3302	C4
3303	C4
3304	B3
3305	B3
3306	B3
3310	C3
3320	A1
3321	A1
3322	A1
4001	C1
4003	B2
4007	C2
5040	B5
5041	B5
5100	C2
5101	A2
5102	B5
5103	A2
5104	B4
5105	B3
5106	B3
5107	B3
5108	C2
5109	B4
5150	C3
5151	B4
5152	B4
5201	B1
5202	C1
5251	B5
5252	B5
6102	C2
6103	A2
6150	C4
6160	B2
6200	C4
6201	C3
6202	C5
6250	A3
6251	A5
7100	C2
7101	B1
7103	C2
7104	C5
7105	A3
7106	A1
7107	C1
7108	A5
7109	C1
7110	B2
7111	B2
7112	B1
7113	B2
7116	C2
7117	A2
7119	C2
7120	C3
7121	C3
7122	C4
7123	C3
7124	C4
7125	B4
7156	A4
7157	C5
7159	C3
7160	C3
7170	C3
7200	C1
7201	B1
7202	A1
7203	C5
7204	C2
7205	C2
7206	C2
7207	A2
7209	A5
7210	C3
7211	C3
7212	C3
7213	C4
7214	B4
7215	B4
7216	B4
7217	A4
7218	C2
7250	B3
7251	B3
7252	B3
7253	A3
7254	A4

High-end box

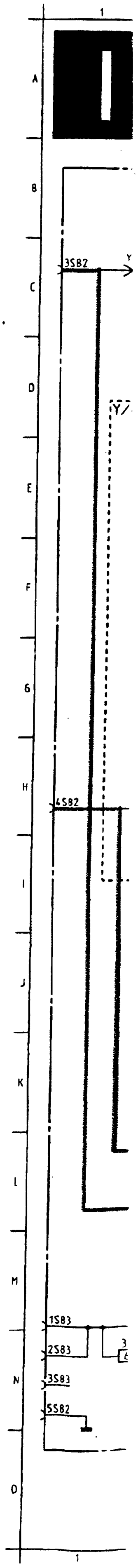

M
HIGH-END BOX 100Hz
M12
M13
M14
DITH
CLK3.375
CLKIN 13.5MHz
+5VD
3301 33
2176 100n
2304 10n
7211 TDA8703
+5A
2307 100n
2301 100n
2297 1u
2299 1u
2166 47p
3,6,10,20,22
+13V
3153 1K2
7160 BC858
3155 270
2147 6p8
3169 1M
7119 BC848C
2153 220n
7120 BC848C
7159 BC848
3H22
2150 330n
3152 620
5150 15u
3159 2K2
2130 100p
7210
RY
3151 1k
2151 10p
2152 56p
3158 330
3160 240
2199 47p
2298 18p
2312 18p
7214 HCT195
+5L
2172 100n
13.5MHz
M6
M5
3305 RES
3304 0
3306 RES
3302 33
2175 100n
2305 10n
7212 TDA8703
2308 100n
2302 100n
2293 1u
2295 1u
2167 47p
7124 BC848C
7121 BC848C
2148 220p
3156 1k
3299 560
2158 100n
2H22
3161 220
5151 56u
3164 2K2
2155 39p
2156 150p
2157 150p
3173 560
RUV
3163 1k
2287 47p
7215 HCT195
WEU/V
2173 100n
3310 9K1
7210 4066
7216 HCT195
2174 100n
L3
M3
BK50
3303 33
2178 100n
2306 10n
7213 TDA8703
2309 100n
2303 100n
2285 1u
2291 1u
2168 47p
7125 BC848C
7122 BC848C
TP115
2149 220p
3162 1k
3298 560
2162 100n
4H22
3168 220
5152 56u
3166 2K2
2159 33p
2160 150p
2161 150p
3174 560
3165 1k
2286 100p
7217 HCT195
2175 100n
5104
+5V
8H21
7H21
6H21
5H21
4H21
+5IN
2182 100n
3256 680
2169 100u
6150 5V6
3171 1k
3172 1k
2154 100n
3170 1k
2163 100n
7123 BC858C
3297 261
3296 560
7170 BC858C
2170 100n
7206 PC74HCT04
7207 PC74HCT04
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
12


11
12
13
14
15
16
17
18
19
20
21
22
L.H14
CLKIN 13.5MHz
+5V
5105
2270 100n
7250 4C1050
RAM
5106
2271 100n
7251 4C1050
5107
2272 100n
7252 4C1050
CLKIN 13.5MHz
2312 18p
+130
3255 470
3251 39k
3254 240
2164 100n
+5V
5109
2277 47u
2255 100n
7253 SDA9060
PAR.
X2
DE MUX
V X2
G
1V5
4V5
2VS
3280 1k
3281 2k2
2250 100n
6160 LL4148
7111 BC848
3279 1k2
7110 BC858C
2186 4p7
2185 47p
BLN100
REU/V
REY
CLK OUT 27MHz
RSTR
RTSW
WEU/V
REY
95
+5L
2172 100n
2173 100n
2174 100n
2175 100n
CLKIN +5L 13.5MHz
5104
7207 PC74HCT04
+5V
3212 10k
3143 100k
3122 47k
7103 BC858
7100 BC848
7113 BC848
3111 47k
3113 10
3114 100k
3110 1k
2121 22n
2106 10u
+5V
3276 3k9
7158 BC848
3275 1k
2134 1n
7157 BC848
3274 22k
+5V 3115 RES
WEY
2133 100p
FBL
1H22
VP1P
8H22
9H22
7204 PCF80C51
1100 12MHz
2103 27p
2102 27p
G 12MHz
RESET RIMESSA A.ZERO
DATA PROC.
3217 100
2131 100p
CT1
8H20
RXD TXD
M1
0V5
V 50
BK50
SYNC
BLK 50
L18
L19
L3
M3
L17
L7
L8
L2
7205 UPD91237
VI COUNTER CONTATORE
INT LOG
VU COUNTER CONTATORE
DIV.
RESET RIMESSA A ZERO
2V5
WEY
0V5

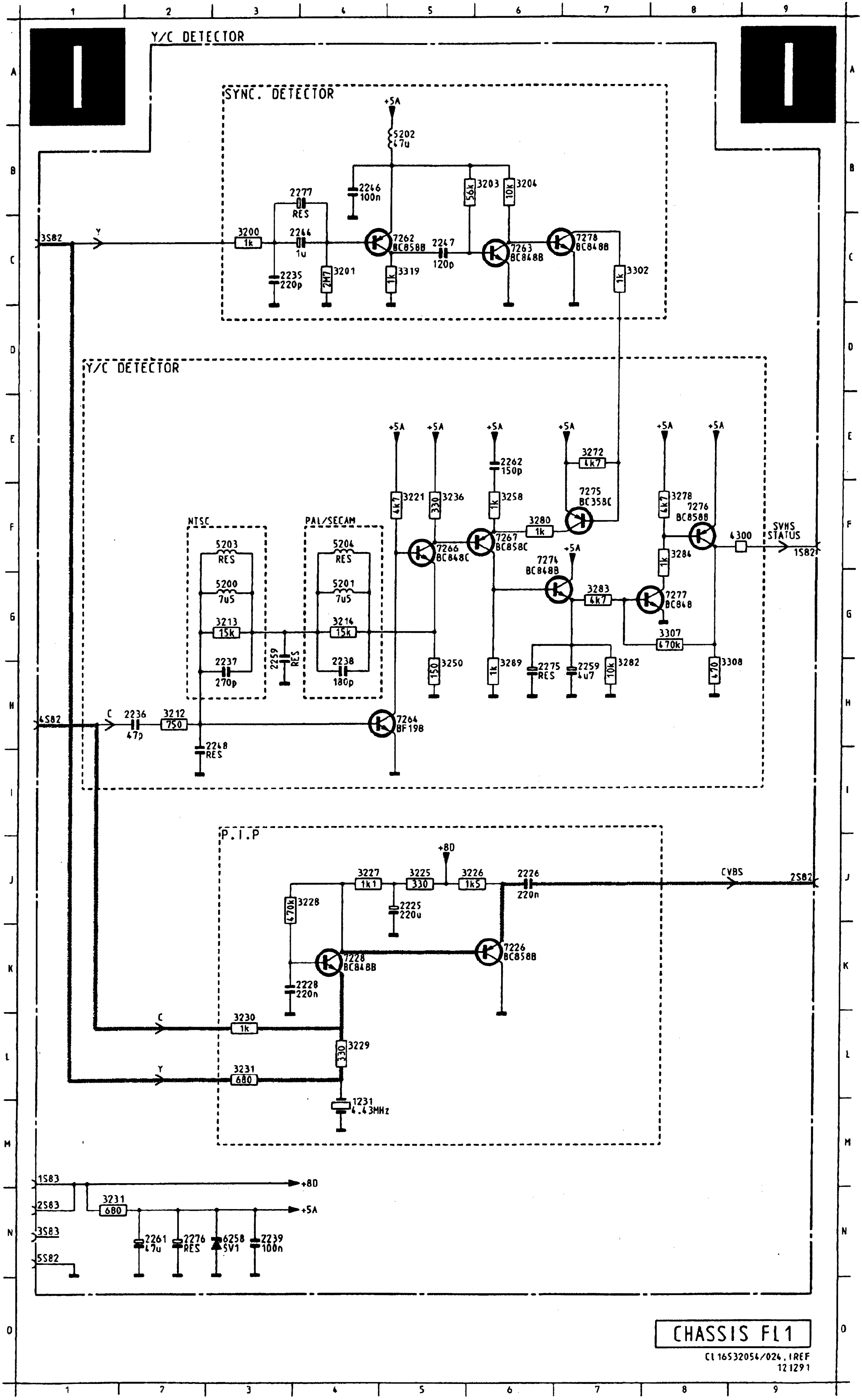

22
23
24
25
26
27
28
29
30
31
32
33
+13D
3255
470
3251
39k
3254
240
3253
750
3252
750
6250
BZX848
5V1
2251
220u
2252
100n
3146
2k2
3148
47
5102
3u3
2125
10p
3147
27
1H21
Y100
2233
100p
2138
10p
7105
BC858
1V5
4V5
7254
TDA4563
2253
470n
2254
470n
2180
180p
2179
180p
2H21
V100
3H21
U100
2140
47p
2139
47p
5V
4V
2256
220p
2257
220p
2258
18p
2259
56p
2260
56p
+13V
3262
22
+13D
2261
100n
2262
100u
2250
100n
2185
47p
TP105
0V
4V
32µs
TP111
5V
0V7
32µs
TP106
TP107
TP112
3V
5V
27MHz
TP113
3V
64µs
TP108
0V
3V1
64µs
TP114
0V
5V
64µs
TP109
4V
1V2
32µs
TP115
3V
2V
64µs
TP110
4V
1V2
32µs
PRS.06964
T-26/113
M13
M12
CLK 13,5
CLK 3,375
DITH 6.75MHz
+5V
091237
DIV.
RST
VI COUNTER CONTATORE
MC1
HI
COUNTER CONTATORE
INT LOG
GATE
VU COUNTER CONTATORE
MC2
HU
COUNTER CONTATORE
RESET RINESSA A ZERO
0V5
+5V*
4007
2108
47u
3125
1k5
2109
220p
3124
100
2112
100n
6102
BBY40
2110
220p
3119
1k5
3121
4k7
5100
6u-15u
2111
330p
7116
BF550
7206
PC74HCT04
CLKAO
2105
100n
2106
2n7
3120
3k3
3126
2k7
3127
220
DBK
+13V
2123
100n
7209
LM833N
7108
BC548
2100
2n2
2201
330p
3100
2k2
3102
47k
3103
47k
2101
2n2
2146
1n
3101
2k2
3157
150
3104
180
3131
10
3140
220k
3138
120k
PHASE CONTROL 27MHz
3141
22k
2119
220n
2118
33n
2188
2n2
2113
5p6
6103
BBY40
2114
100n
3132
1k5
2115
220p
3133
100
2187
220u
7207
PC74HCT04
2116
220p
3142
100k
3137
22k
5101
1u4
2117
330p
7117
BF550
3135
2k7
3124
220
27MHz
BLK 50
HSYNC 100
BK50
L8
L2
L11
L3
M3
L4
CHASSIS
CL1653



	1100	I17	3115	K17	7207	M31
	2100	K29	3119	J26	7207	N31
	2101	L30	3120	J26	7209	K30
	2102	J17	3121	J27	7210	D 3
A	2103	J17	3122	I15	7210	D 6
	2104	K15	3124	I29	7210	H 6
	2105	J26	3124	N29	7210	L 6
	2106	J27	3125	I28	7210	I 3
	2108	I28	3126	J29	7211	B 9
	2109	I29	3127	J29	7212	F 9
	2110	I29	3131	M30	7213	J 9
	2111	J28	3132	M28	7214	D10
B	2112	I30	3133	M29	7215	F10
	2113	M27	3135	N29	7216	H10
	2114	M28	3137	N26	7217	K10
	2115	M29	3138	M26	7250	B14
	2116	N29	3140	M25	7251	D14
	2117	N28	3141	M25	7252	F14
	2118	M25	3142	N25	7253	D18
	2119	M25	3143	I15	7254	D24
C	2121	K13	3146	B25		
	2123	K32	3147	C26		
	2125	B26	3148	C25		
	2130	D 2	3151	D 3		
	2131	N18	3152	C 3		
	2133	N14	3153	B 3		
	2134	L15	3155	C 4		
D	2138	C27	3156	G 4		
	2139	E27	3157	L33		
	2140	E27	3158	D 5		
	2146	L33	3159	D 2		
	2147	C 4	3160	D 6		
	2148	G 3	3161	G 3		
	2149	K 3	3162	K 4		
	2150	C 2	3163	H 6		
E	2151	D 4	3164	H 2		
	2152	D 5	3165	L 6		
	2153	C 5	3166	L 2		
	2154	M 7	3168	L 3		
	2155	H 2	3169	B 5		
	2156	H 3	3170	M 8		
	2157	H 4	3171	M 6		
F	2158	G 5	3172	H 7		
	2159	L 2	3173	H 5		
	2160	L 3	3174	L 5		
	2161	L 4	3212	I13		
	2162	L 5	3217	M17		
	2164	C21	3251	B22		
	2166	D 8	3252	B23		
	2167	H 8	3253	B23		
G	2168	M 8	3254	B22		
	2169	M 5	3255	B22		
	2172	F12	3256	M 4		
	2173	H12	3262	F27		
	2174	J12	3274	L17		
	2175	L12	3275	L14		
	2175	F 7	3279	G20		
H	2176	B 7	3280	F20		
	2178	J 7	3281	F21		
	2179	E24	3296	N 7		
	2180	E23	3297	N 7		
	2182	N 2	3298	L 5		
	2182	N 8	3299	G 5		
	2182	N 6	3301	A 8		
	2185	G22	3302	E 8		
I	2186	G20	3303	J 8		
	2187	M30	3304	E 2		
	2188	M26	3305	D 2		
	2199	D 7	3306	E 3		
	2201	K28	3310	I 4		
	2233	C26	4007	I27		
	2250	F21	5100	J28		
	2251	C24	5101	N28		
J	2252	C25	5102	C26		
	2253	D23	5104	M11		
	2254	E23	5105	A15		
	2255	C20	5106	D15		
	2256	F24	5107	F15		
	2257	F25	5109	C20		
	2258	F25	5150	C 4		
K	2259	F26	5151	G 4		
	2260	F26	5152	L 4		
	2261	G26	6102	I27		
	2262	G27	6103	M27		
	2270	A15	6150	M 5		
	2271	D15	6160	F21		
	2272	F15	6250	C24		
	2277	C20	7100	J15		
L	2286	L 7	7103	I16		
	2287	H 7	7105	C25		
	2289	L 8	7108	K32		
	2291	L 8	7110	G21		
	2293	H 8	7111	G20		
	2295	H 8	7113	J14		
	2297	D 8	7116	J29		
M	2298	C10	7117	N29		
	2299	D 8	7119	C 5		
	2301	C 7	7120	C 6		
	2302	G 7	7121	G 6		
	2303	K 7	7122	K 6		
	2304	B 9	7123	N 6		
	2305	F 9	7124	G 4		
	2306	J 9	7125	K 4		
N	2307	B 7	7157	L16		
	2308	F 7	7158	L15		
	2309	K 7	7159	C 3		
	2312	C11	7160	B 3		
	3100	K29	7170	N 8		
	3101	L28	7204	I18		
	3102	L29	7205	I21		
	3103	L29	7206	M 9		
O	3104	M32	7206	J30		
	3110	J16	7206	J31		
	3111	J15	7206	J32		
	3113	J14	7207	M11		
	3114	J15	7207	N30		


1
A
B
3S82
Y
C
D
Y/
E
F
G
H
4S92
I
J
K
L
M
1S83
2S83
3S83
5S82
N
O
1

Y/C Detector Y/C Detektor Détecteur Y/C

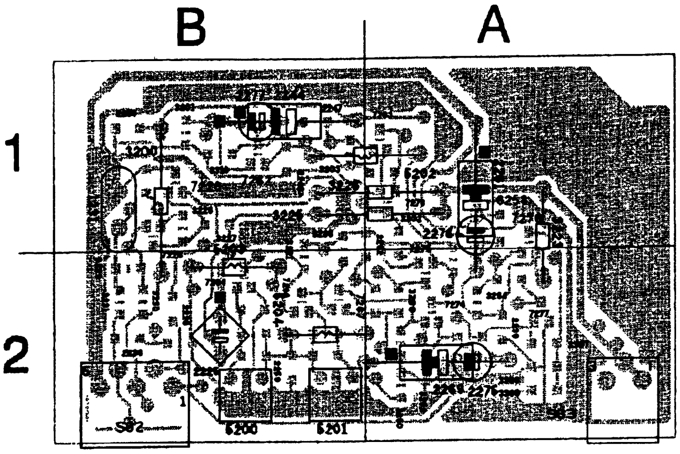

Y/C DETECTOR
SYNC. DETECTOR
Y/C DETECTOR
NTSC
PAL/SECAM
P.I.P
+5A
5202 47u
2246 100n
2277 RES
3200 1k
2244 1u
2235 220p
2M7 3201
7262 BC858B
1k 3319
2247 120p
56k 3203
10k 3204
7263 BC848B
7278 BC848B
1k 3302
3S82
Y
4S82
C
2236 47p
3212 750
2248 RES
5203 RES
5200 7u5
3213 15k
2237 270p
2259 RES
5204 RES
5201 7u5
3214 15k
2238 180p
7264 BF198
4k7 3221
330 3236
150 3250
7266 BC848C
2262 150p
1k 3258
7267 BC858C
3280 1k
3272 4k7
7275 BC358C
7274 BC848B
1k 3289
2275 RES
2259 4u7
10k 3282
3283 4k7
7277 BC848
3307 470k
4k7 3278
7276 BC858B
1k 3284
470 3308
4300
SVHS STATUS
1S82
+8D
3227 1k1
3225 330
3226 1k5
2226 220n
2225 220u
470k 3228
7228 BC848B
2228 220n
7226 BC858B
CVBS
2S82
3230 1k
330 3229
3231 680
1231 4.43MHz
1S83
2S83
3S83
5S82
3231 680
2261 47u
2276 RES
6258 5V1
2239 100n
CHASSIS FL1
CL 16532054/024.1REF
121291

1231	M 4
2225	J 5
2226	J 6
2228	K 3
2235	C 3
2236	H 2
2237	H 3
2238	H 4
2239	N 3
2244	C 4
2246	B 4
2247	C 5
2248	I 2
2259	G 3
2259	H 7
2261	N 2
2262	E 6
2275	H 6
2276	N 2
2277	B 4
3200	C 3
3201	C 4
3203	B 5
3204	B 6
3212	H 2
3213	G 3
3214	G 4
3221	F 5
3225	J 5
3226	J 5
3227	J 4
3228	J 4
3229	L 4
3230	L 3
3231	L 3
3231	N 1
3236	F 5
3250	G 5
3258	F 6
3272	E 7
3278	F 8
3280	F 6
3282	G 7
3283	G 7
3284	F 8
3289	G 6
3302	C 7
3307	G 8
3308	G 8
3319	C 5
4300	F 9
5200	G 3
5201	G 4
5202	B 5
5203	F 3
5204	F 4
6258	N 3
7226	K 6
7228	K 4
7262	C 5
7263	C 6
7264	H 5
7266	F 5
7267	F 6
7274	F 6
7275	F 7
7276	F 8
7277	G 8
7278	C 7

Y/C

31 M 4
25 J 5
26 J 6
28 K 3
35 C 3
36 H 2
37 H 3
38 H 4
39 N 3
44 C 4
46 B 4
47 C 5
48 I 2
59 G 3
59 H 7
61 N 2
62 E 6
75 H 6
76 N 2
77 B 4
00 C 3
01 C 4
03 B 5
04 B 6
12 H 2
13 G 3
14 G 4
24 F 5
25 J 5
26 J 5
27 J 4
28 J 4
29 L 4
30 L 3
31 L 3
31 N 1
36 F 5
50 G 5
58 F 6
72 E 7
78 F 8
30 F 6
32 G 7
33 G 7
34 F 8
39 G 6
02 C 7
07 G 8
08 G 8
19 C 5
00 F 9
00 G 3
01 G 4
02 B 5
03 F 3
04 F 4
58 N 3
26 K 6
28 K 4
52 C 5
53 C 6
54 H 5
56 F 5
57 F 6
74 F 6
75 F 7
76 F 8
77 G 8
78 C 7

Y/C Detector panel
Y/C Detektor Platine
Platine du détecteur Y/C



S82 B2	2239 A2	2276 A1	3221 B2	3250 A2	3307 A2	6258 A1	7276 A1
S83 A2	2244 B1	2277 B1	3223 A1	3258 B2	3308 A2	7226 B1	7277 A2
1231 B1	2246 B1	3190 A2	3225 A1	3272 A2	3319 B1	7228 B1	7278 A1
2225 B2	2247 B1	3200 B1	3226 A1	3278 A2	3991 A2	7262 B1	
2226 B2	2248 B2	3201 A1	3227 B1	3280 A2	4300 A2	7263 A1	
2228 B1	2259 B2	3203 B1	3228 B1	3282 A2	5200 B2	7264 B2	
2235 B1	2261 A1	3204 A1	3229 B2	3283 A2	5201 B2	7266 B2	
2236 B2	2262 B2	3212 B2	3230 B2	3284 A2	5202 B1	7267 B2	
2237 B2	2269 A2	3213 B2	3231 B2	3289 A2	5203 B2	7274 A2	
2238 B2	2275 A2	3214 B2	3236 B2	3302 A2	5204 B2	7275 A2	

Setting conditions

- * Unless stated otherwise, the supply voltage used is:
  220 - 240V ± 10%; 50 - 60Hz ± 5%
- * Voltages and oscillograms are measured in relation to tuner earth. **Never** use the cooling plates as earth.
- * Warming-up time ≈ 10 minutes
- * For all measurements it is true that:
  probe Ri > 1MΩ; Ci < 10pF

1. Electrical settings on the large signal panel

1.1 +141V supply voltage
Supply the mains voltage; this must be isolated from the mains.
Connect a voltmeter over C2238.
Using R3371, on the SOPS DRIVE CIRCUIT (fig. 7.2) set the supply voltage to + 141V ± 0.5V.

1.2 Focusing
This is set with the focus potentiometer (top one on the Line output transformer).

1.3 Vg2 setting
Supply an aerial signal.
Set the contrast to maximum and the brightness and saturation to nominal.
Using an oscilloscope set to field frequency, measure the direct voltage level of the measurement pulse (fig. 7.1) on pin 9 of IC7705, IC7706 and IC7707 in relation to earth.
Now adjust the highest voltage level found with the aid of the Vg2 potentiometer (bottom left on the Line output transformer) to 150V ± 2V.

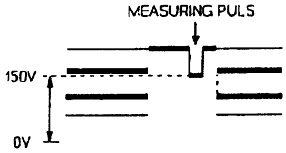


Fig. 7.1

1.4 Stable OSD
Short circuit pin 11 IC7401 to pin 13 IC7401
Short circuit pin 5 IC7755 to earth.
Measure the frequency on pin 16-IC7401 and set this to 15,625 Hz ± 25 Hz with R3434.
Remove the short circuits.

1.5 Horizontal synchronisation
Connect point 5-IC7400 to point 9-IC7400.
Supply an aerial signal and set the receiver.
Adjust potentiometer R3406 until the picture is straight.
Break the through connection.

1.6 Horizontal centring
Set using potentiometer R3513.

1.7 Picture width
Set using potentiometer R3607.

1.8 Vertical centring
Set using potentiometer R3467.

1.9 Picture height
Set using potentiometer R3410.

1.10 East/West correction
Set using potentiometer R3602.

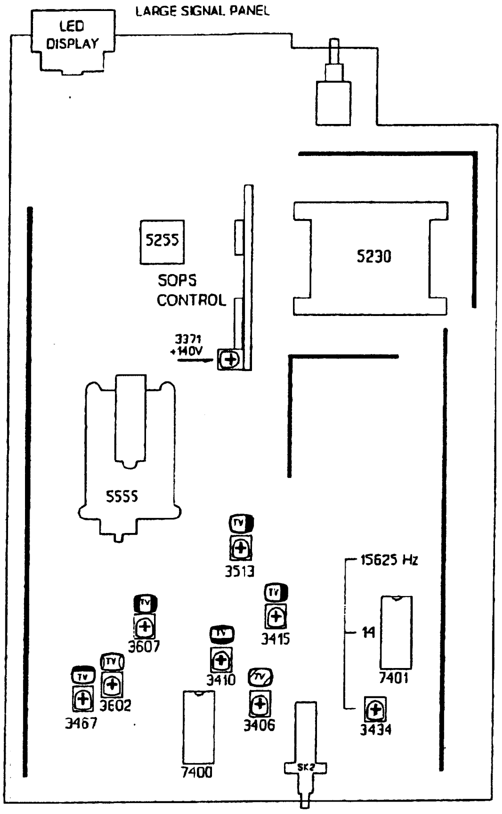


Fig. 7.2

Electrical adjustments

2. Electrical settings on the small signal panel

2.1 Stereo audio channel separation
Connect a signal generator with a 2 carrier stereo signal ("stereo" mode).
Select 1kHz for the right-hand channel and switch off the sound for the left-hand channel.
Connect an oscilloscope to pin 3 of Euroconnector EXT1
Using R3602 on the small signal panel, set the amplitude of the signal to minimum amplitude.

2.2 4.43 MHz chroma suppression circuit
Supply a colour bar signal. Connect an oscilloscope to point 17 of IC7324 and set L5305 to minimum amplitude of the chrominance signal.

2.3a Electrical settings for sets with IC7364 - TDA4510

a-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.43 MHz. Connect the unit to EXT1.
Connect an oscilloscope to pin 9-IC7364.
Set L5354 to maximum amplitude.

a-2 Chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7364 (TDA4510) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

2.3b Electrical settings for sets with IC7365 - TDA4650

b-1 Chroma bandpassfilter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.286 MHz/0.2 Vpp. Switch the unit to EXT1. Connect pin 27-IC7365 to pin 13-IC7365 (+12V). Connect an oscilloscope to pin 15-IC7365.
Set L5345 to maximum amplitude.
Remove the interconnection.

b-2 4.50 MHz NTSC sound suppression
Connect a generator to point 20 of Euroconnector EXT1 with a frequency of 4.50 MHz and 200mV$_{rms}$.
Connect point 26-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-3 6.50 MHz SECAM DK sound suppression
Connect a sine-wave generator to point 20 of Euroconnector EXT1 with a frequency of 6.50 MHz and 200mV$_{rms}$.
Connect point 28-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-4 Chroma 8,87 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

b-5 Chroma 7,16 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set R2379 so that the colour on the screen has practically stopped. Remove the interconnection.

b-6 SECAM demodulators
Connect a pattern generator and supply a SECAM black pattern. Connect an oscilloscope to pin 3-IC7365. Set L5370 to minimum amplitude.
Connect the oscilloscope to pin 1-IC7365. Set R3370 to minimum amplitude.

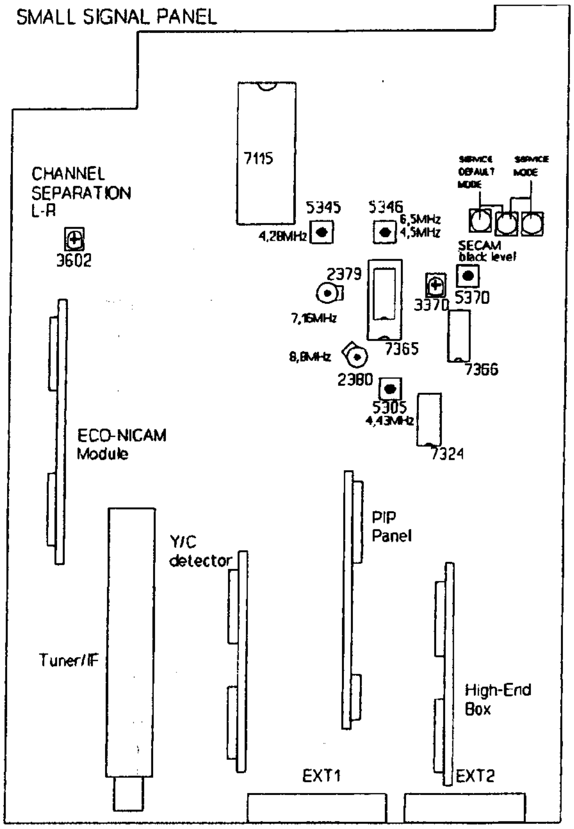


Fig. 7.3

3.

3.1

3.2

3.3

PAL
5
he colour
nove the

PAL
5
ne colour
nove the

SECAM
pin
de.
. Set

SERVICE
MODE
1
vel

-End

3. Electrical adjustments on the high-end box

3.1 Synchronisation
Connect point 5 of IC7203 to earth. Adjust R3228 until the picture is straight.
Remove the short circuit.

3.2 13.5 MHz oscillator
Measure the signals at point 1 of IC7205 and at point 5 Of IC7203 simultaneously with an oscilloscope (fig. 7.2). Adjust coil L5100 so that the positive-going flank of the signal at point 1 of IC7205 comes 7.62 µsec after the negative-going flank of the sync pulse in the video signal (point 5 of IC7203).

3.3 27 MHz oscillator
Apply a PAL/SECAM signal. Short pin 28 of IC7204 to earth. Measure the frequency at point 6 of IC7207. Using L5101 set the frequency to 27 MHz ± 50 kHz.

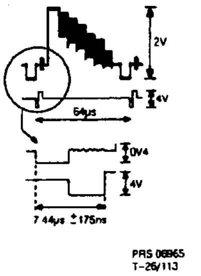

2V
4V
64µs
0V4
4V
7.44µs ±175ns
PRS 08965
T-26/113

Fig. 7.4

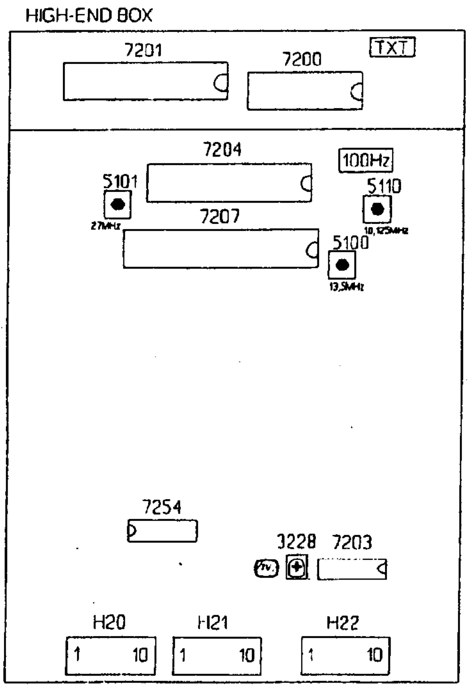

HIGH-END BOX
7201
7200
TXT
7204
100Hz
5101
5110
27MHz
7207
10,125MHz
5100
13,5MHz
7254
3228
7203
H20
H21
H22
1
10
1
10
1
10

Fig. 7.5

4. Electrical settings on the ECO-NICAM decoder panel

4.1 Neutral frequency adjustment
Connect a frequency counter via a probe (Ci ≤15pF) to pin 19 of IC7001 (SAA 7280) and pin 15 (GND).
Adjust C2015 in such a manner that the clock frequency is set at 728.025 kHz. (± 5Hz)

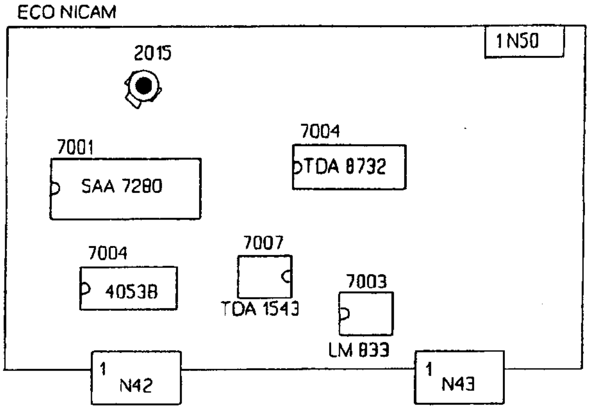

ECO NICAM
1N50
2015
7001
SAA 7280
7004
TDA 8732
7004
40538
7007
TDA 1543
7003
LM 833
1
N42
1
N43

Fig. 7.6

5. Y/C detector adjustment

PAL/SECAM
Inject a chroma signal of 4.418 MHz/200mV on pi
15 of EXT2 SCART (PL05).
Connect an oscilloscope to the collector of T7266 (T7). Using L5201 adjust the 4.418 MHz signal to maximum amplitude.

NTSC
As PAL/SECAM but with a signal of 3.582 MHz/200mV. Adjust with L5200.

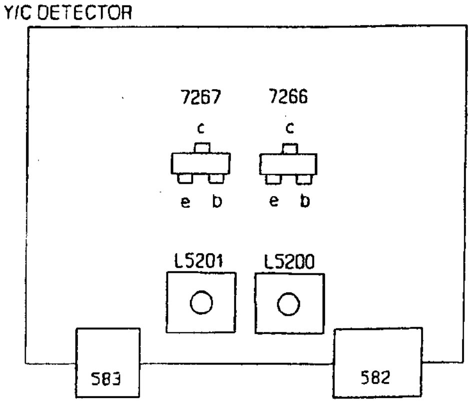

Y/C DETECTOR
7267
7266
c
c
e b
e b
L5201
L5200
583
582

Fig. 7.7

6. Electrical settings on the PIP panel

Before carrying out each setting, it should be ensured that a P.I.P. picture with colour bar is visible on the screen and the unit should have reached its operating temperature (after ≈ 20 min.).

6.1 Horizontal synchronisation
Supply an aerial or generator signal.
Connect pin 28-IC7125 to pin 13-IC7125.
Connect pin 5-IC7755 to earth.
Measure the frequency on pin 17-IC7755 and set this to 15,625 Hz ± 25 Hz with R3239.
Remove the short circuits.

6.2 AGC
If the picture from a strong local transmitter is distorted, adjust 3160 until the picture is not distorted.

6.3a Setting for PIP modules with TDA4510

a-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.43 MHz/0.2Vpp.
Connect an oscilloscope to pin 9-IC7126.
Set L5118 to maximum amplitude.

a-2 PAL chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7126 (TDA4510) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

a-3 The delayline
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7126 (TDA4510). Connect the Y-input of the oscilloscope to 2-IC7126 (TDA4510). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

6.3b Setting for PIP modules with TDA4554

b-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.286 MHz/0.2 Vpp.
Connect pin 27-IC7125 to 13-IC7125. Connect an oscilloscope to pin 15-IC7125.
Set L5118 to maximum amplitude.
Remove the interconnection.

b-2 PAL chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7125 (TDA4554) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-3 NTSC chroma auxiliary oscillator
Connect a pattern generator and supply an NTSC M colour bar pattern. Connect pin 17-IC7125 to earth. Set C2212 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-4 The delay line
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7125 (TDA4554). Connect the Y-input of the oscilloscope to pin 3-IC7125 (TDA4554). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

b-5 SECAM identification
Connect a pattern generator and supply a SECAM colour bar signal.
Connect pin 27-IC7125 to pin 13-IC7125.
Connect an oscilloscope to pin 21-IC7125.
Adjust L5190 to maximum DC level.
Remove the interconnection.

b-6 SECAM demodulators
Connect a pattern generator and supply a SECAM signal without contents (black). Connect pin 27-IC7125 to pin 13-IC7125. Connect an oscilloscope to pin 1-IC7125. Using L5175, set the DC level during the scan equal to the DC level during the flyback.
In the same way set L5170, but now measure at pin 3-IC7125.
Remove the interconnection.

PIP MODULE

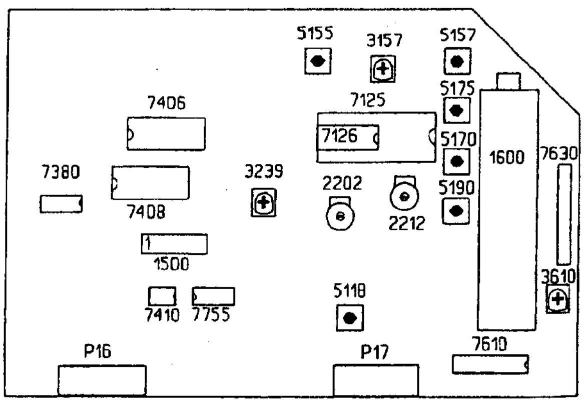


Fig. 7.8

7. Adjustments in the service menu

Switch in the service menu by connecting pins S23 and S24 on the small-signal panel briefly with each other (see section 9).
In the Service Mode the following menu appears in the picture:

SERVICE YY-MM-DD
a option 1 xxx
b option 2 xxx
c green xxx
d blue xxx

In this menu "YY-MM-DD" is the release date of the software which is present in the set. The desired adjustment can be selected with the aid of menu keys a, b or c on the remote control.
When the "PP store" key on the local keyboard is pressed, the adjusted values are stored in the memory and the Service Mode is left.

7.1 White balance

Connect a pattern generator and choose a white picture.

- Select c (green) or d (blue)
- Using P +/- adjust the values of green ("GREEN") and blue ("BLUE") until the desired white balance has been reached.
- Store the selected value by pressing the "PP store" key on the local keyboard.

7.2 Options

The control unit used in this set has been prepared for operation of all the functions possible with this set. For correct operation, however, the control unit has to "know" the functions/features located in the set. This is done with a so-called option code.

A number is allocated to each function. The possible functions are shown with their respective numbers in the tables alongside.

Optioncode 1
The numbers of the functions shown in the table have to be added to each other. The total forms the number for option code 1.

For example, a set has:

Function	*Number*
Front-end FQ618/ME/IF	2
A PIP module	8
	— +
Optioncode 1 now becomes	10

Option code 2
The number of the functions shown in the table have to be added to each other. The total forms the number for option code 2.

For example, a set has:

Function	*Number*
IC7175 present on SSP	1
100 Hz high-end box	4
	--- +
Option code 2 now becomes	5

The option codes are set as follows:

- Select a: option 1 or b: option 2
- Using P +/- set the desired option number.
- Store the value chosen by pressing the **"PP store"** key on the local keyboard.

These option codes are software adaptations. If the set has to be equipped for these features, the necessary hardware has also to be fitted.

Optioncode 1

Nbr.	Function
0	**Front end = FQ816/IF** A reception of PAL BG or PAL BG and SECAM BG is now possible.
1	**Front end = FQ844** Only reception of the UHF band is now possible.
2	**Front end = FQ816/ME/IF** Reception of SECAM L but not of SECAM L' is now possible (reception of NTSC-M is now usually also possible).
4	**Front end = FQ816/MF/IF** Reception of both SECAM L and SECAM L' is now possible (NTSC M reception is generally possible now via the Euroconnector).
8	**PIP module fitted** This makes it possible to show PIP (Picture In Picture) displays.
16	**NTSC-M reception possible** This is normally always in combination with front end FQ816/ME/IF or FQ816/MF/IF.
32	**SECAM DK module fitted** In this case transmissions using the SECAM DK system can also be received.
64	**NICAM module fitted** In this case the digital sound with NICAM transmission can be received.
128	**Second front end for PIP fitted** If this second front end is fitted a second transmitter can be displayed in the PIP picture. The PIP function (number 8) still applies.

Optioncode 2

Nbr.	Function
1	**IC7175 present on SSP** Applicable in case IC7175 (PCF8574) is present on the SSP (this is the case in all FL1.1 AC sets).
4	**100 Hz High-end box fitted** This will always be the case.
32	**NICAM module present** In this case the digital sound broadcast in NICAM transmissions can also be received (see further the number 64 of option code 1).

Repair tips

1. The Service Default Mode

The FL1.1 is equipped with a service default mode. The service default mode is a fixed, definite state to which the set can be switched.

1.1 Definition state

The definition of the fixed state in the service default mode is as follows:

- all sound and picture controls are in the central position (exception volume which is turned down)
- tuned to 475.25 MHz
- system:
  * PAL/SECAM BG for Multi Europe
  * PAL I for UK
  * SECAM L for Multi French

1.2 Switch on and off

The service default mode is switched on by shorting pins S24 and S25 on the small signal panel.

The service default mode can only be switched off by switching the set to stand-by. If the set is switched off and then on again using the mains switch or the mains plug, the service default mode will remain on.

If the set switches to stand-by immediately after switching-on, the set cannot be operated and also cannot be switched to the service default mode. The child-proof lock has already been activated.
To deactivate the child-proof lock the following series of commands has to be given using the remote control (see also Section 9):
<MENU>-<BLUE>-<RED>-<MENU+>-<MENU OFF>

1.3 Fault signals

To indicate that the set is in the service default mode, the following is displayed on the screen:

SERVICE 00 00 05 06 05

The five numbers after the word "service" stand for the last five fault signals noted by the operator(s). The number on the extreme right represents the last fault signal, that on the extreme left the last fault signal but 4.
Since this enables fault reports to be looked at afterward, it means that intermittent faults can be traced.
When the set leaves the service default mode, the fault-report memory is cleared.

1.4 Operation

During the service default mode the set will accept all operating commands. When, however, the set is switched off and on, it will return to the state as defined above.

2. Software protection

If it is observed by the control that the front end has ceased to give an I²C response, or that IC7430, IC7600 and also IC 7680 are no longer giving any response, the set will switch to the protection mode since it will be assumed that the +5 V or the +13 V power-supply voltage is absent. This software protection device consists of a fault signal (LEDs ⏻ ✱ ∞, code99) and the switching of the set to stand-by. To enable the fault to be traced, the set has now to be switched to the service default mode. The software protection system is then switched out of circuit.

3. Replacement of EEPROM IC7137

If, during a repair, the EEPROM has to be replaced, the microprocessor will detect that the EEPROM is empty. A fault signal (No. 21) will then be displayed.
If the service mode is now activated (see section 7), the microprocessor will load the EEPROM with a number of standard values for the white balance and the other linear settings. These values, however, must all be checked and, if necessary, re-adjusted.
All options have also to be set, the programs installed and the personal preference set.

front end
hat
ıo longer
to the
ɟ that the
ge is
consists
99) and
enable
o be
he
ched out

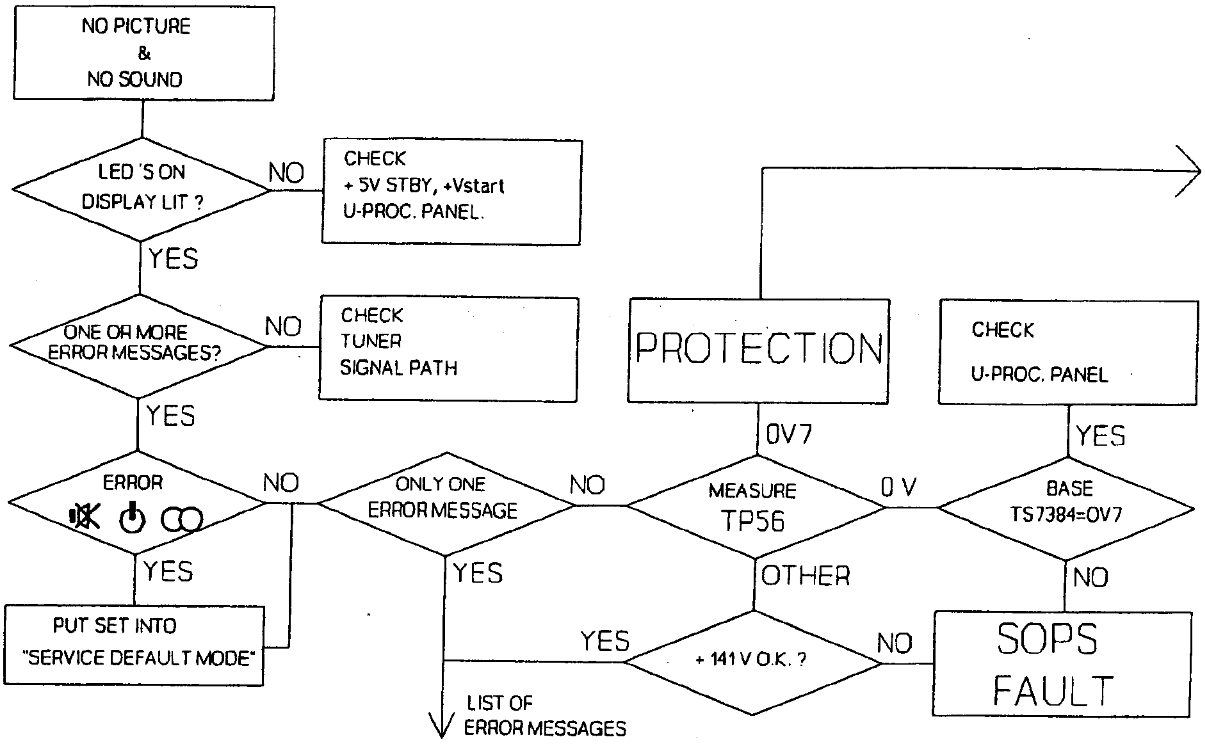
37

e
that the
1) will

section
ROM
white
ese
d, if

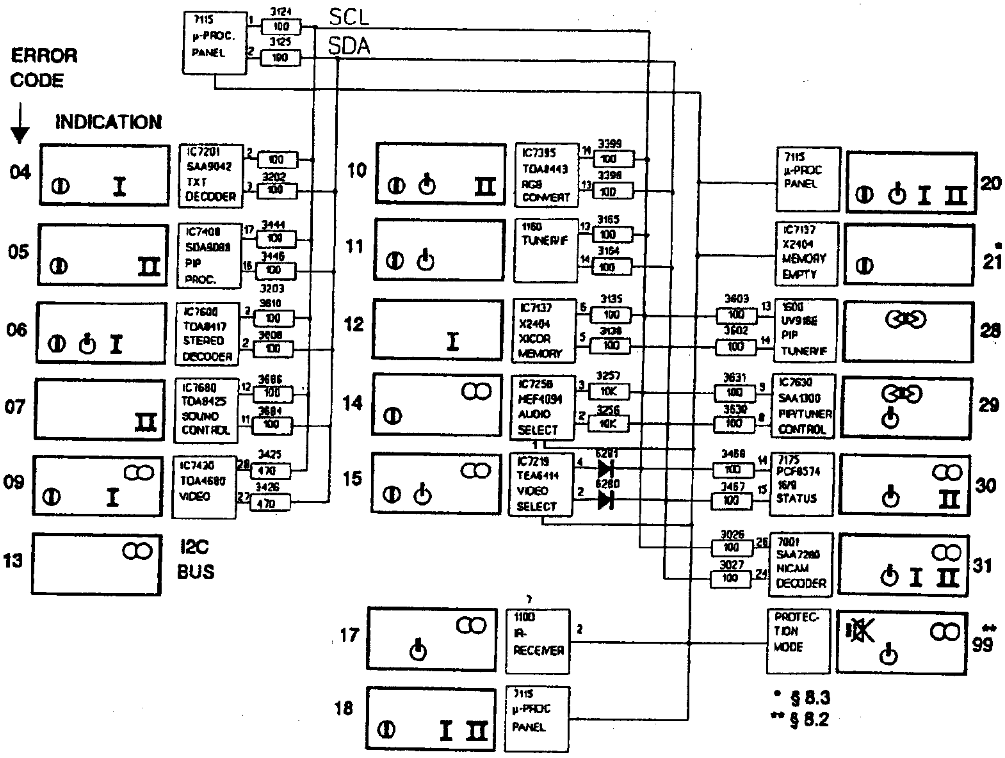
ams

Faultfindingtree


NO PICTURE
&
NO SOUND
LED 'S ON
DISPLAY LIT ?
NO
CHECK
+ 5V STBY, +Vstart
U-PROC. PANEL.
YES
ONE OR MORE
ERROR MESSAGES?
NO
CHECK
TUNER
SIGNAL PATH
PROTECTION
CHECK
U-PROC. PANEL
YES
0V7
YES
ERROR
🔇 ⏻ ∞
NO
ONLY ONE
ERROR MESSAGE
NO
MEASURE
TP56
0 V
BASE
TS7384=0V7
YES
PUT SET INTO
"SERVICE DEFAULT MODE"
YES
OTHER
NO
YES
+ 141 V O.K. ?
NO
SOPS
FAULT
LIST OF
ERROR MESSAGES

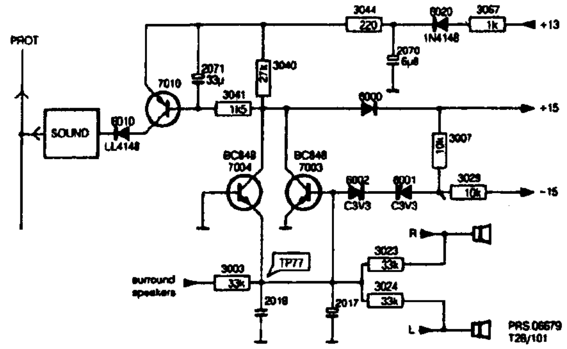
List of error messages

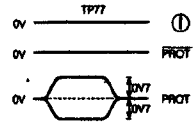
I^{2}C Blockdiagram


ERROR
CODE
INDICATION
7115 µ-PROC. PANEL
3124 100
3125 100
SCL
SDA
04
IC7201 SAA5042 TXT DECODER
100
3202 100
05
IC7408 SDA9088 PIP PROC.
3444 100
3446 100
3203
06
IC7600 TDA8417 STEREO DECODER
3610 100
3608 100
07
IC7680 TDA8425 SOUND CONTROL
3686 100
3684 100
09
IC7430 TDA4680 VIDEO
3425 470
3426 470
13
I2C BUS
10
IC7395 TDA8443 RGB CONVERT
3399 100
3398 100
11
1160 TUNER/IF
3165 100
3164 100
12
IC7137 X2404 XICOR MEMORY
3135 100
3136 100
14
IC7258 HEF4094 AUDIO SELECT
3257 10K
3256 10K
15
IC7219 TEA6414 VIDEO SELECT
6281
6280
17
1100 IR-RECEIVER
18
7115 µ-PROC PANEL
7115 µ-PROC PANEL
20
IC7137 X2404 MEMORY EMPTY
21 *
3603 100
3602 100
1600 UV916E PIP TUNER/IF
28
3631 100
3630 100
IC7630 SAA1300 PIP/TUNER CONTROL
29
3468 100
3467 100
7175 PCF8574 16/9 STATUS
30
3026 100
3027 100
7001 SAA7280 NICAM DECODER
31
PROTECTION MODE
99 **
* § 8.3
** § 8.2

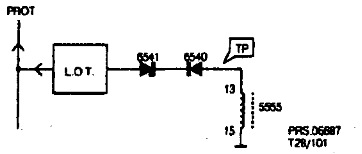
Protection

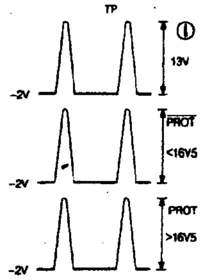
🔈


PROT
SOUND
6010
LL4148
7010
2071
33µ
3041
1k5
3040
27k
3044
220
2070
6µ8
6020
1N4148
3067
1k
+13
6000
+15
3007
10k
BC848
7004
BC848
7003
6002
C3V3
6001
C3V3
3029
10k
-15
R
L
3023
33k
3024
33k
TP77
3003
33k
surround speakers
2018
2017
PRS.06679
T28/101

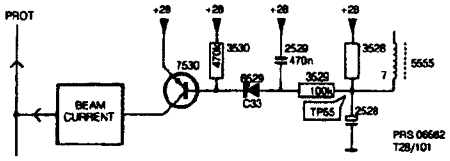


EHT

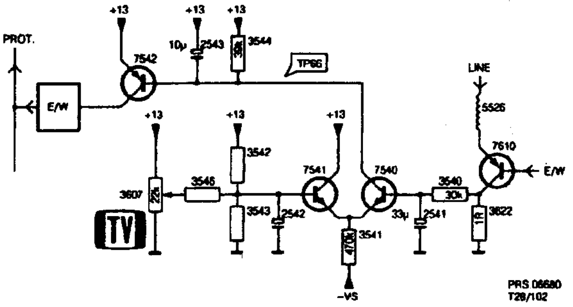

PROT
L.O.T.
6541
6540
TP
13
5555
15
PRS.06687
T28/101

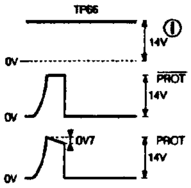


☼

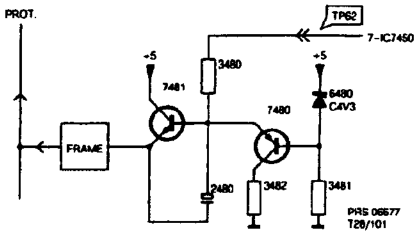

PROT
+28
+28
+28
+28
7530
3530
470k
2529
470n
6529
C33
3529
100k
TP55
3528
7
5555
2528
BEAM CURRENT
PRS 06682
T28/101

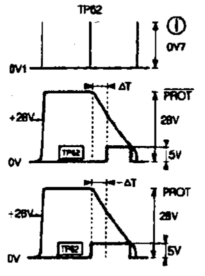
📺


PROT.
+13
+13
+13
7542
10µ
2543
3544
TP66
E/W
LINE
5526
+13
+13
+13
3542
7541
7540
7610
E/W
3607
22k
3546
3540
30k
3543
2542
3541
470k
33µ
2541
1R
3622
TV
-VS
PRS.06680
T28/102

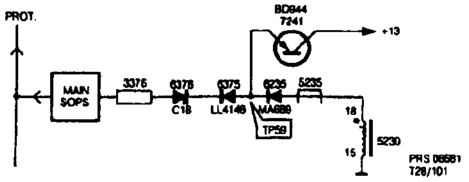


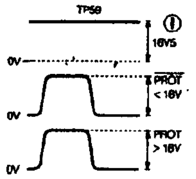
■


PROT.
TP62
7-IC7450
+5
3480
+5
7481
6480
C4V3
7480
FRAME
2480
3482
3481
PRS 06677
T28/101



+V


PROT.
BD944
7241
+13
MAIN SOPS
3376
6376
C18
6375
LL4148
6235
MA689
5235
TP59
18
5230
15
PRS 06681
T28/101



---

4. S
D

4.1 G
a. O:
sc
b. A\
o>
di
hu
Tr
m
c. Rc
m
ci
sh
m
he
cc
Ne
ca
Sl
su

4.2 R
a. He
th
fo
so
so
b. Wl
it
ea
c. Re
m

Caution
a. Wl
pre
b. Wl
wit
c. Th
pre
(sc
d. Th

4. Servicing of SMDs (Surface Mounted Devices)

4.1 General cautions on handling and storage

a. Oxidation on the terminals of SMDs results in poor soldering. Do not handle SMDs with bare hands.

b. Avoid using storage places that are sensitive to oxidation such as places with sulphur or chlorine gas, direct sunlight, high temperatures or a high degree of humidity.
The capacitance or resistance value of the SMDs may be affected by this.

c. Rough handling of circuit boards containing SMDs may cause damage to the components as well as the circuit boards. Circuit boards containing SMDs should never be bent or flexed. Different circuit board materials expand and contract at different rates when heated or cooled and the components and/or solder connections may be damaged due to the stress. Never rub or scrape chip components as this may cause the value of the component to change. Similarly, do not slide the circuit board across any surface.

4.2 Removal of SMDs

a. Heat the solder (for 2-3 seconds) at each terminal of the chip. By means of litz wire and a slight horizontal force, small components can be removed with the soldering iron. They can also be removed with a solder sucker (see Fig. 8.1A) or:

b. While holding the SMD with a pair of tweezers, take it off gently using the soldering iron's heat applied to each terminal (see Fig. 8.1B).

c. Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 8.1C).

Caution on removal:

a. When handling the soldering iron, use suitable pressure and be careful.

b. When removing the chip, do not use undue force with the pair of tweezers.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. The chip, once removed, must never be reused.

4.3 Attachment of SMDs

a. Locate the SMD on the solder lands by means of tweezers and solder the component on one side. Ensure that the component is positioned correctly on the solder lands (see Fig. 8.2A).

b. Next complete the soldering of the terminals of the component (see Fig. 8.2B).

Caution when attaching SMDs:

a. When soldering the SMD terminals, do not touch them directly with the soldering iron. The soldering should be done as quickly as possible; care must be taken to avoid damage to the terminals of the SMDs themselves.

b. Keep the SMD's body in contact with the printed board when soldering.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. Soldering should not be done outside the solder land.

e. Soldering flux (of rosin) may be used, but should not be acidic.

f. After soldering, let the SMD cool down gradually at room temperature.

g. The quantity of solder must be proportional to the size of the solder land. If the quantity is too great, the SMD might crack or the solder lands might be torn loose from the printed board (see Fig. 8.3).

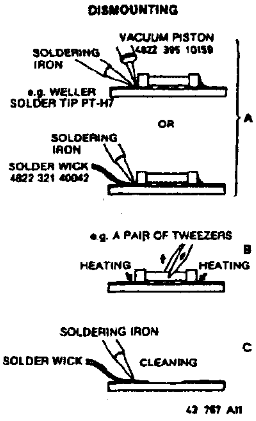

DISMOUNTING
VACUUM PISTON
4822 395 10159
SOLDERING IRON
e.g. WELLER SOLDER TIP PT-H7
OR
SOLDERING IRON
SOLDER WICK
4822 321 40042
A
e.g. A PAIR OF TWEEZERS
B
HEATING
HEATING
SOLDERING IRON
C
SOLDER WICK
CLEANING
43 767 A11

Fig. 8.1

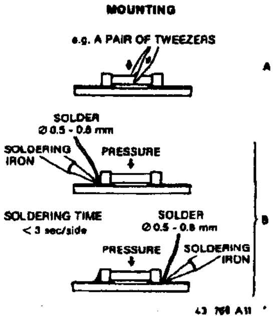

MOUNTING
e.g. A PAIR OF TWEEZERS
A
SOLDER
Ø 0.5 - 0.8 mm
SOLDERING IRON
PRESSURE
SOLDERING TIME
< 3 sec/side
SOLDER
Ø 0.5 - 0.8 mm
PRESSURE
SOLDERING IRON
B
43 768 A11

Fig. 8.2

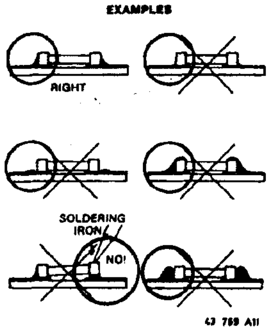
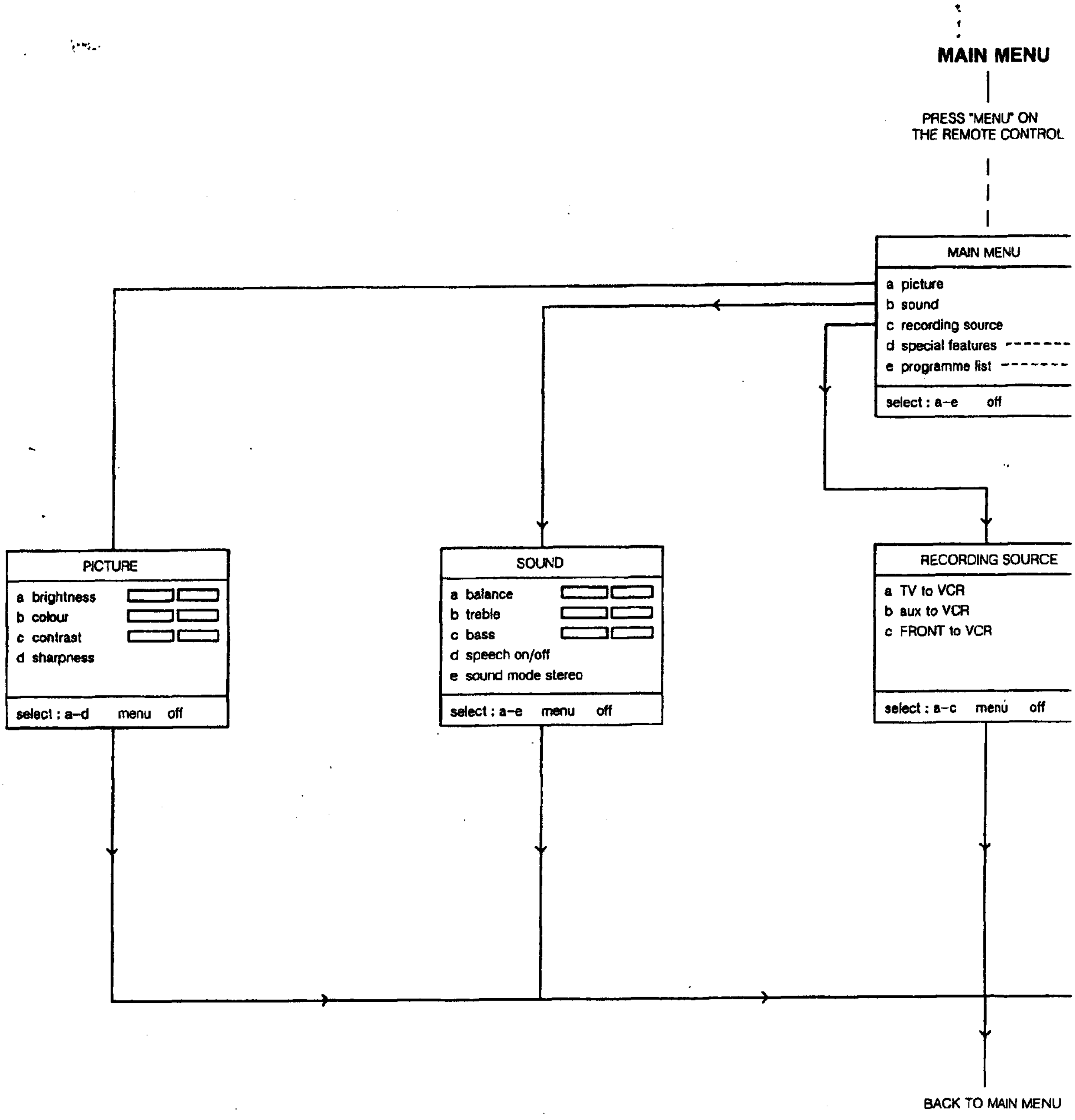
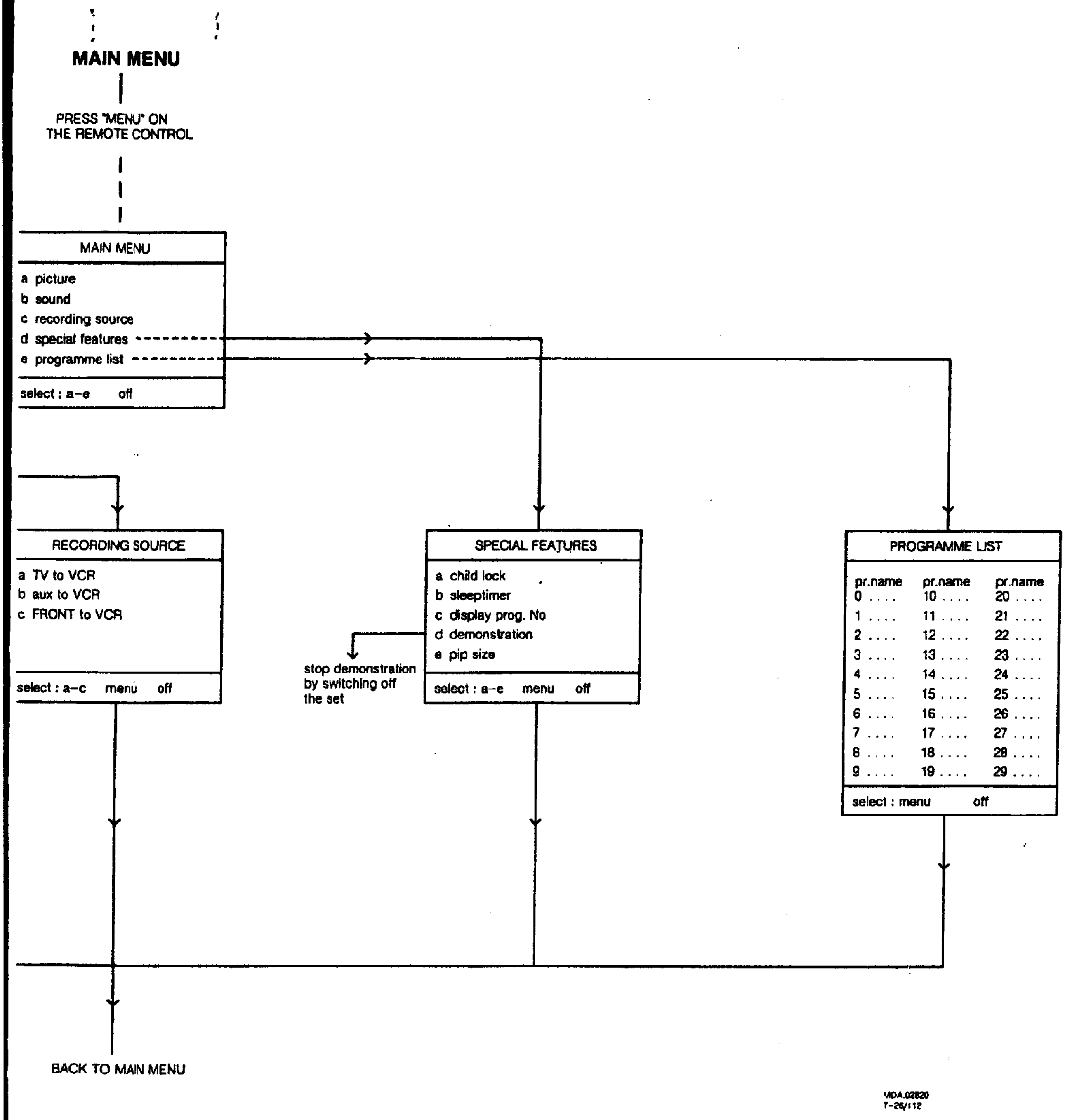

EXAMPLES
RIGHT
SOLDERING IRON
NO!
43 769 A11

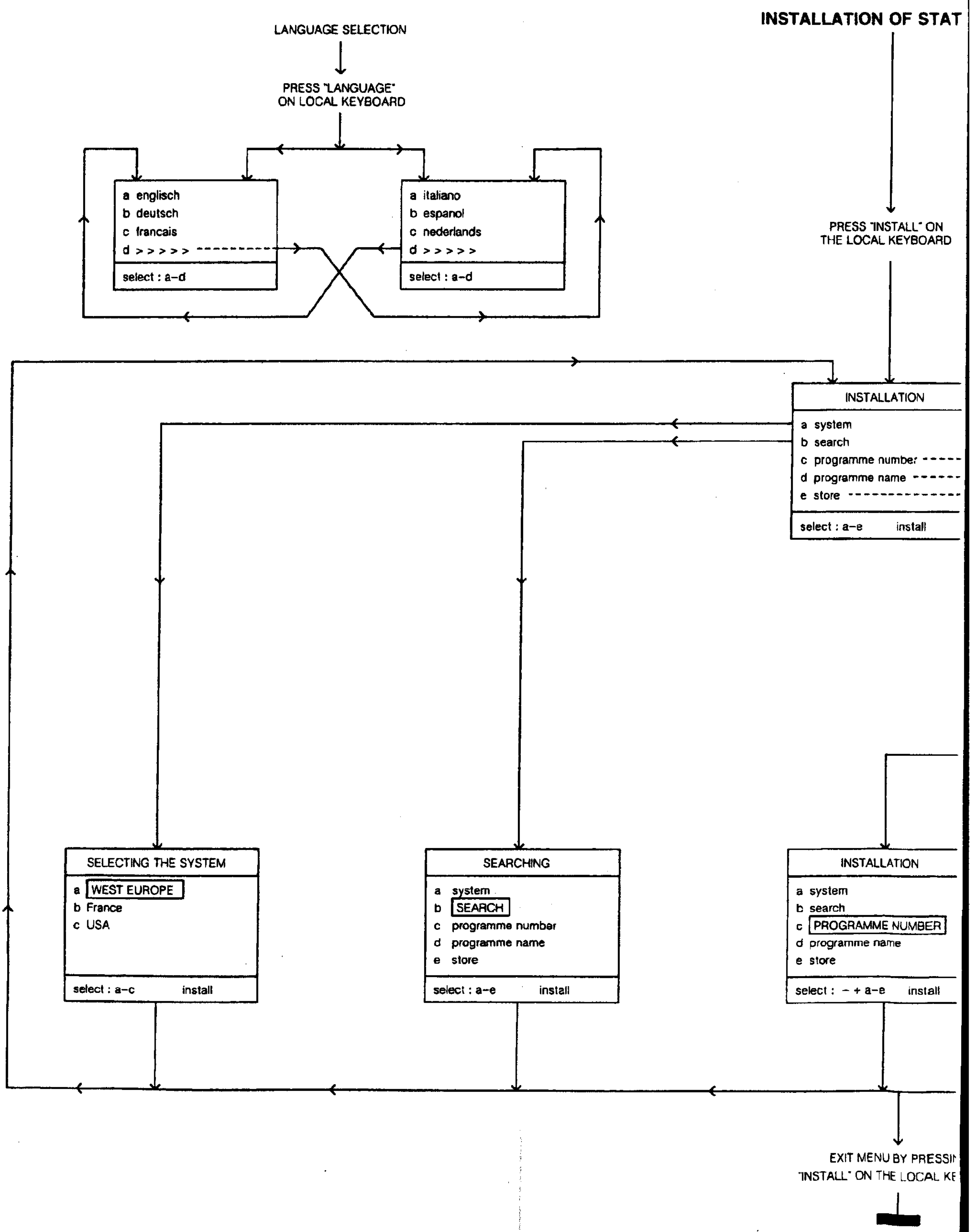
Fig. 8.3

Survey of menus FL1.1

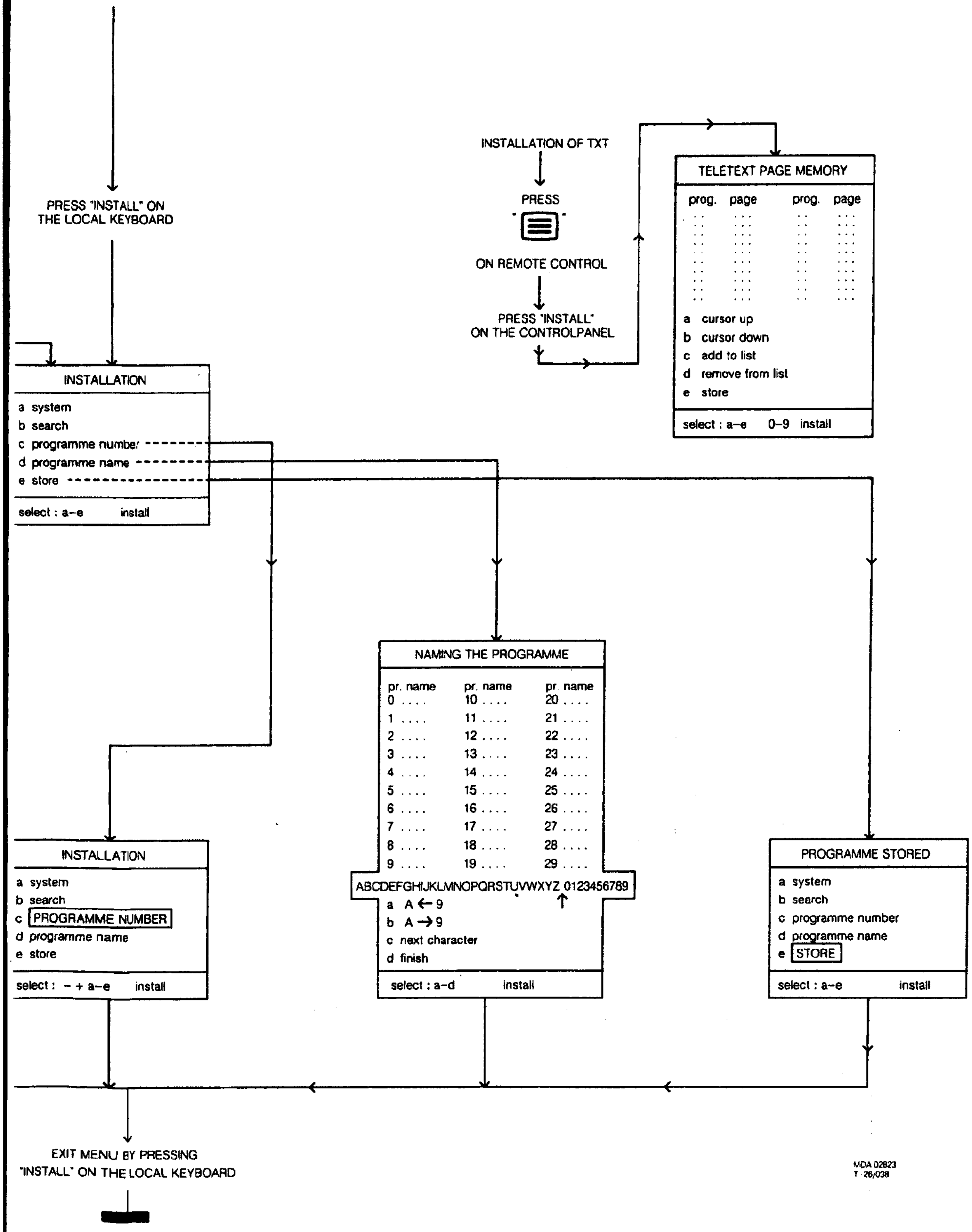

MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
a picture
b sound
c recording source
d special features
e programme list
select : a–e off
PICTURE
a brightness
b colour
c contrast
d sharpness
select : a–d menu off
SOUND
a balance
b treble
c bass
d speech on/off
e sound mode stereo
select : a–e menu off
RECORDING SOURCE
a TV to VCR
b aux to VCR
c FRONT to VCR
select : a–c menu off
BACK TO MAIN MENU


MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
a picture
b sound
c recording source
d special features
e programme list
select : a–e off
RECORDING SOURCE
a TV to VCR
b aux to VCR
c FRONT to VCR
select : a–c menu off
SPECIAL FEATURES
a child lock
b sleeptimer
c display prog. No
d demonstration
e pip size
select : a–e menu off
stop demonstration by switching off the set
PROGRAMME LIST
pr.name pr.name pr.name
0 .... 10 .... 20 ....
1 .... 11 .... 21 ....
2 .... 12 .... 22 ....
3 .... 13 .... 23 ....
4 .... 14 .... 24 ....
5 .... 15 .... 25 ....
6 .... 16 .... 26 ....
7 .... 17 .... 27 ....
8 .... 18 .... 28 ....
9 .... 19 .... 29 ....
select : menu off
BACK TO MAIN MENU
MDA.02820
T-26/112

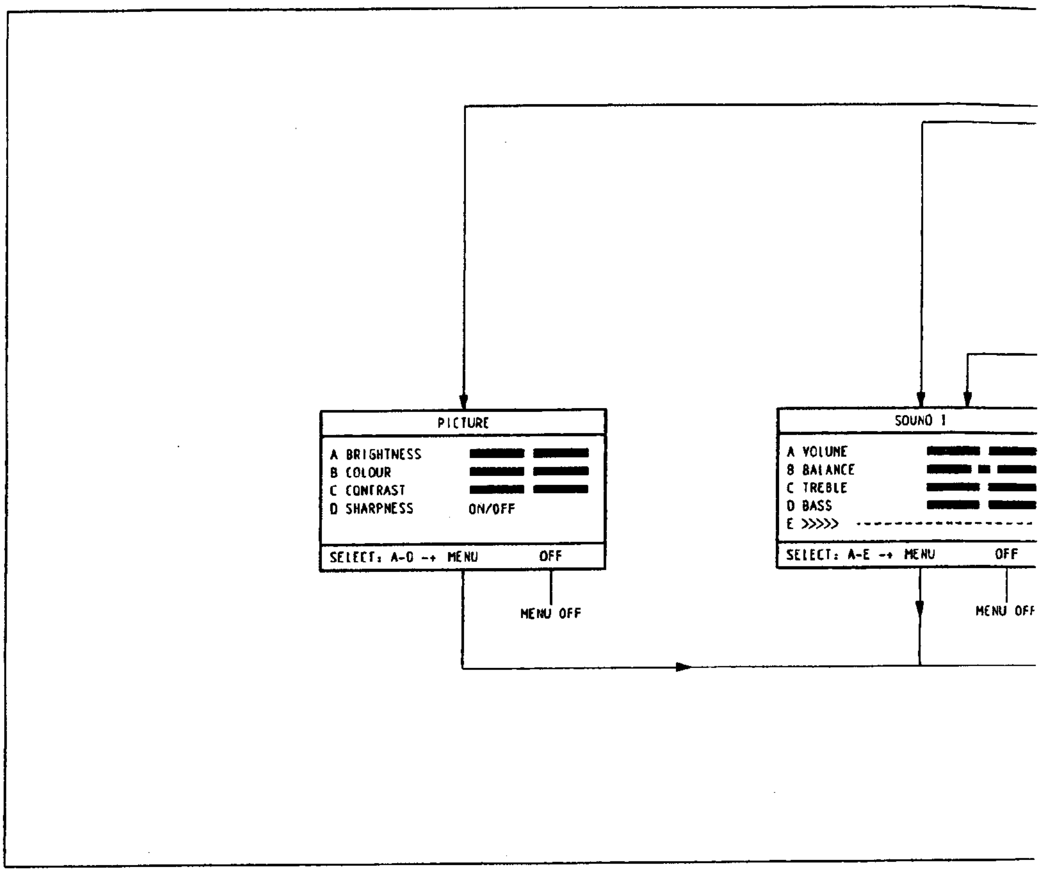
Survey of menus FL1.1

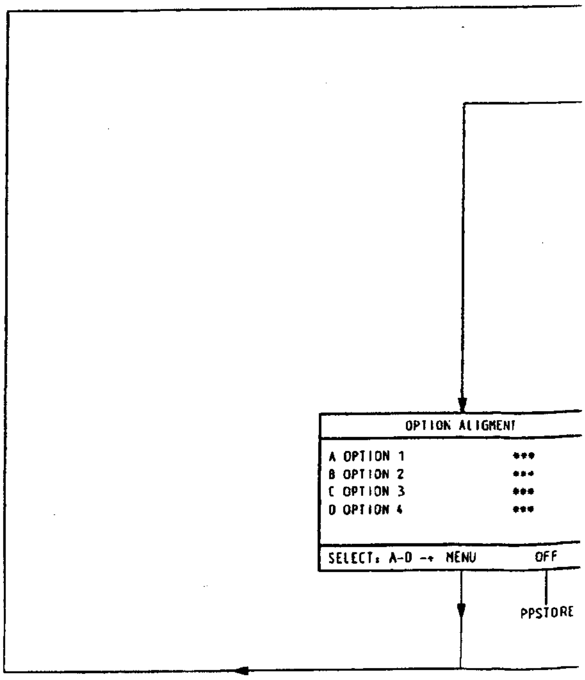

LANGUAGE SELECTION
PRESS "LANGUAGE" ON LOCAL KEYBOARD
a englisch
b deutsch
c francais
d > > > > >
select : a–d
a italiano
b espanol
c nederlands
d > > > > >
select : a–d
INSTALLATION OF STAT
PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALLATION
a system
b search
c programme number
d programme name
e store
select : a–e install
SELECTING THE SYSTEM
a WEST EUROPE
b France
c USA
select : a–c install
SEARCHING
a system
b SEARCH
c programme number
d programme name
e store
select : a–e install
INSTALLATION
a system
b search
c PROGRAMME NUMBER
d programme name
e store
select : – + a–e install
EXIT MENU BY PRESSI
"INSTALL" ON THE LOCAL KE

ALLATION OF STATIONS


PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALLATION
a system
b search
c programme number
d programme name
e store
select : a–e install
INSTALLATION OF TXT
PRESS
ON REMOTE CONTROL
PRESS "INSTALL" ON THE CONTROLPANEL
TELETEXT PAGE MEMORY
prog. page prog. page
a cursor up
b cursor down
c add to list
d remove from list
e store
select : a–e 0–9 install
NAMING THE PROGRAMME
pr. name pr. name pr. name
0 .... 10 .... 20 ....
1 .... 11 .... 21 ....
2 .... 12 .... 22 ....
3 .... 13 .... 23 ....
4 .... 14 .... 24 ....
5 .... 15 .... 25 ....
6 .... 16 .... 26 ....
7 .... 17 .... 27 ....
8 .... 18 .... 28 ....
9 .... 19 .... 29 ....
ABCDEFGHIJKLMNOPQRSTUVWXYZ 0123456789
a A ← 9
b A → 9
c next character
d finish
select : a–d install
INSTALLATION
a system
b search
c PROGRAMME NUMBER
d programme name
e store
select : – + a–e install
PROGRAMME STORED
a system
b search
c programme number
d programme name
e STORE
select : a–e install
EXIT MENU BY PRESSING "INSTALL" ON THE LOCAL KEYBOARD
MDA 02823
T 26/038

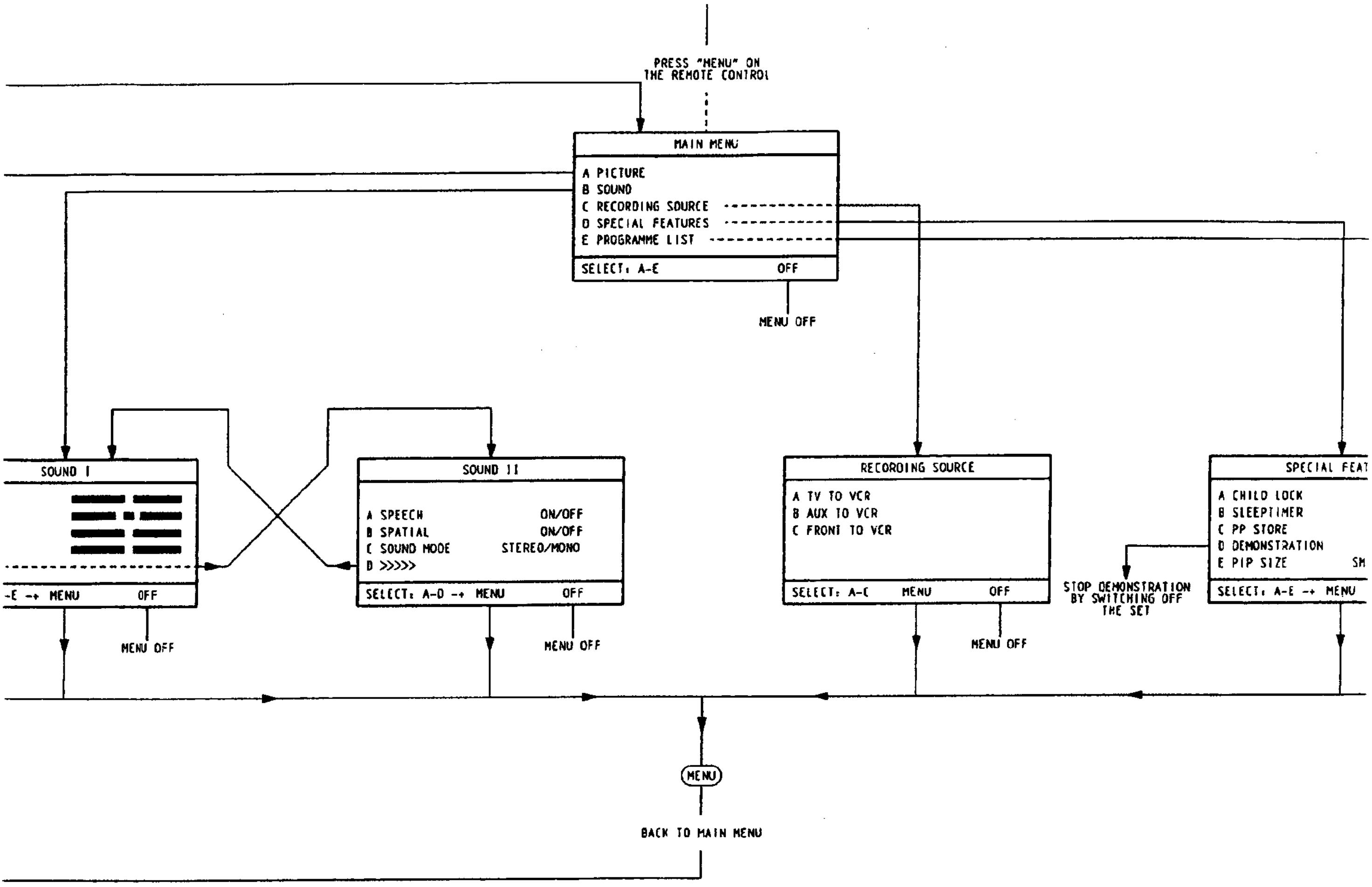
Survey of menus FL1.7


PICTURE
A BRIGHTNESS
B COLOUR
C CONTRAST
D SHARPNESS ON/OFF
SELECT: A-D → MENU OFF
MENU OFF
SOUND 1
A VOLUME
B BALANCE
C TREBLE
D BASS
E >>>>>
SELECT: A-E → MENU OFF
MENU OFF

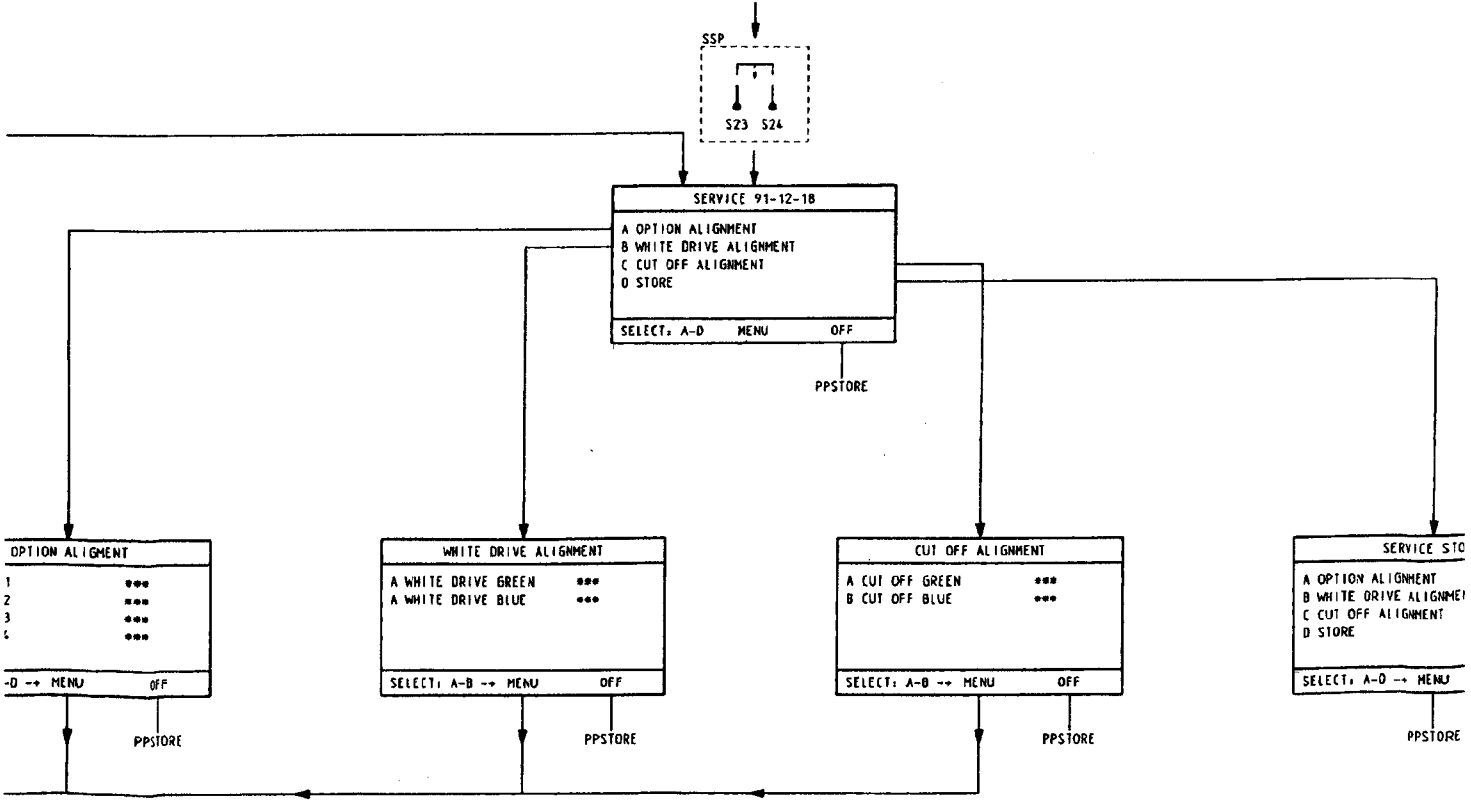

OPTION ALIGMENT
A OPTION 1 ***
B OPTION 2 ***
C OPTION 3 ***
D OPTION 4 ***
SELECT: A-D → MENU OFF
PPSTORE

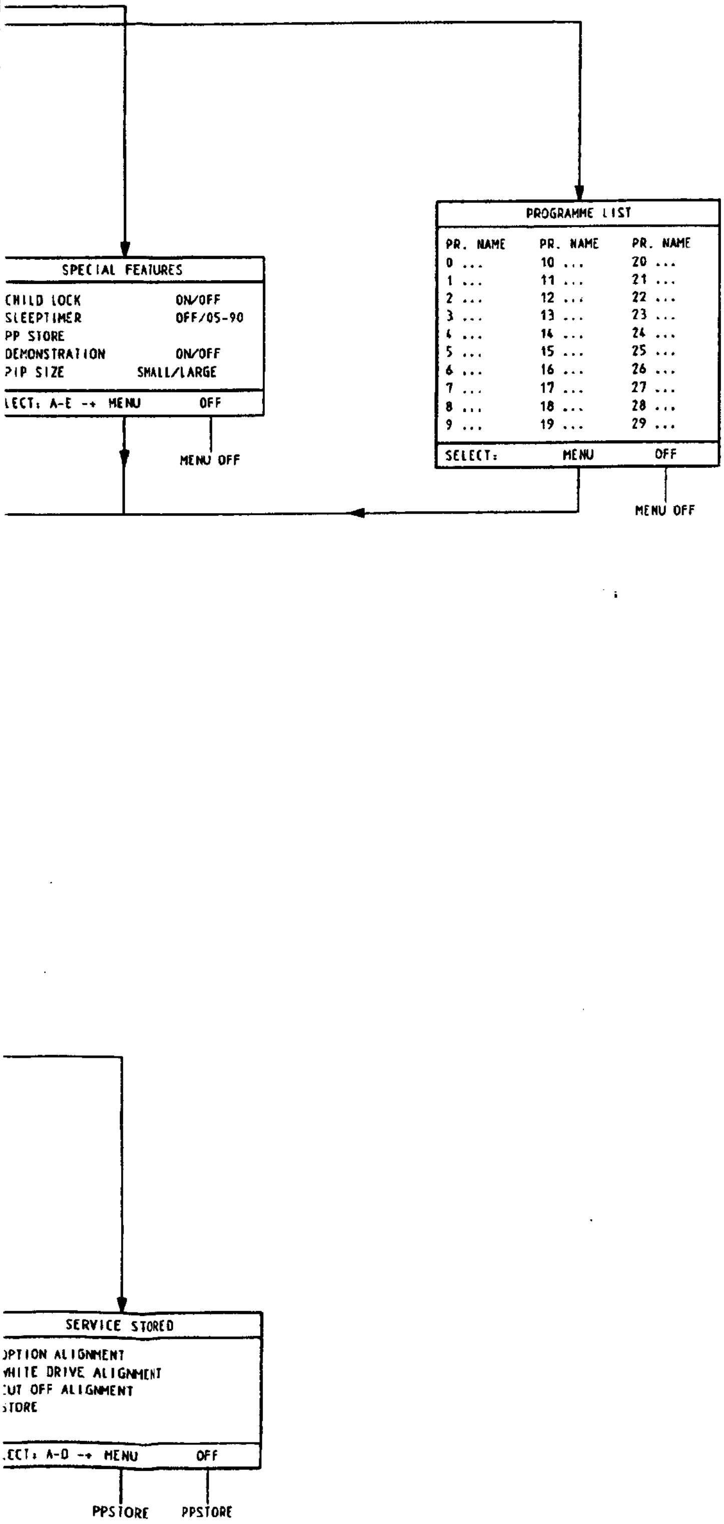
9.5 **9.6** **CHASSIS FL1.1**

MAIN MENU

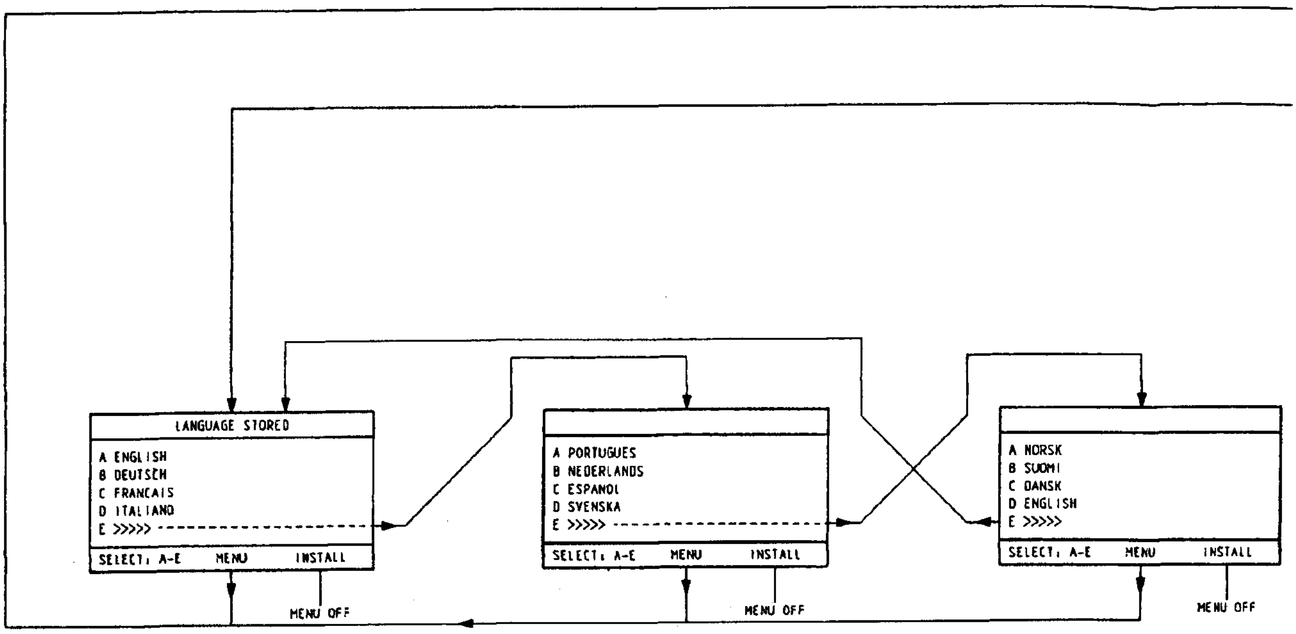

PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
A PICTURE
B SOUND
C RECORDING SOURCE
D SPECIAL FEATURES
E PROGRAMME LIST
SELECT: A-E
OFF
MENU OFF
SOUND I
-E → MENU
OFF
MENU OFF
SOUND II
A SPEECH ON/OFF
B SPATIAL ON/OFF
C SOUND MODE STEREO/MONO
D >>>>>
SELECT: A-D → MENU
OFF
MENU OFF
RECORDING SOURCE
A TV TO VCR
B AUX TO VCR
C FRONT TO VCR
SELECT: A-C
MENU
OFF
MENU OFF
SPECIAL FEAT
A CHILD LOCK
B SLEEPTIMER
C PP STORE
D DEMONSTRATION
E PIP SIZE
SM
SELECT: A-E → MENU
STOP DEMONSTRATION BY SWITCHING OFF THE SET
MENU
BACK TO MAIN MENU

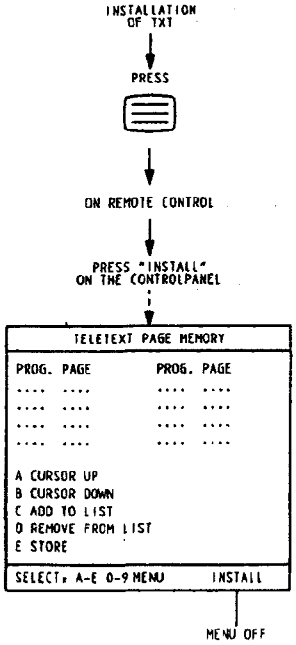
SERVICE MENU


SSP
S23
S24
SERVICE 91-12-18
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNMENT
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D
MENU
OFF
PPSTORE
OPTION ALIGMENT
1 ***
2 ***
3 ***
4 ***
-D → MENU
OFF
PPSTORE
WHITE DRIVE ALIGNMENT
A WHITE DRIVE GREEN ***
A WHITE DRIVE BLUE ***
SELECT: A-B → MENU
OFF
PPSTORE
CUT OFF ALIGNMENT
A CUT OFF GREEN ***
B CUT OFF BLUE ***
SELECT: A-B → MENU
OFF
PPSTORE
SERVICE STO
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNME
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D → MENU
PPSTORE

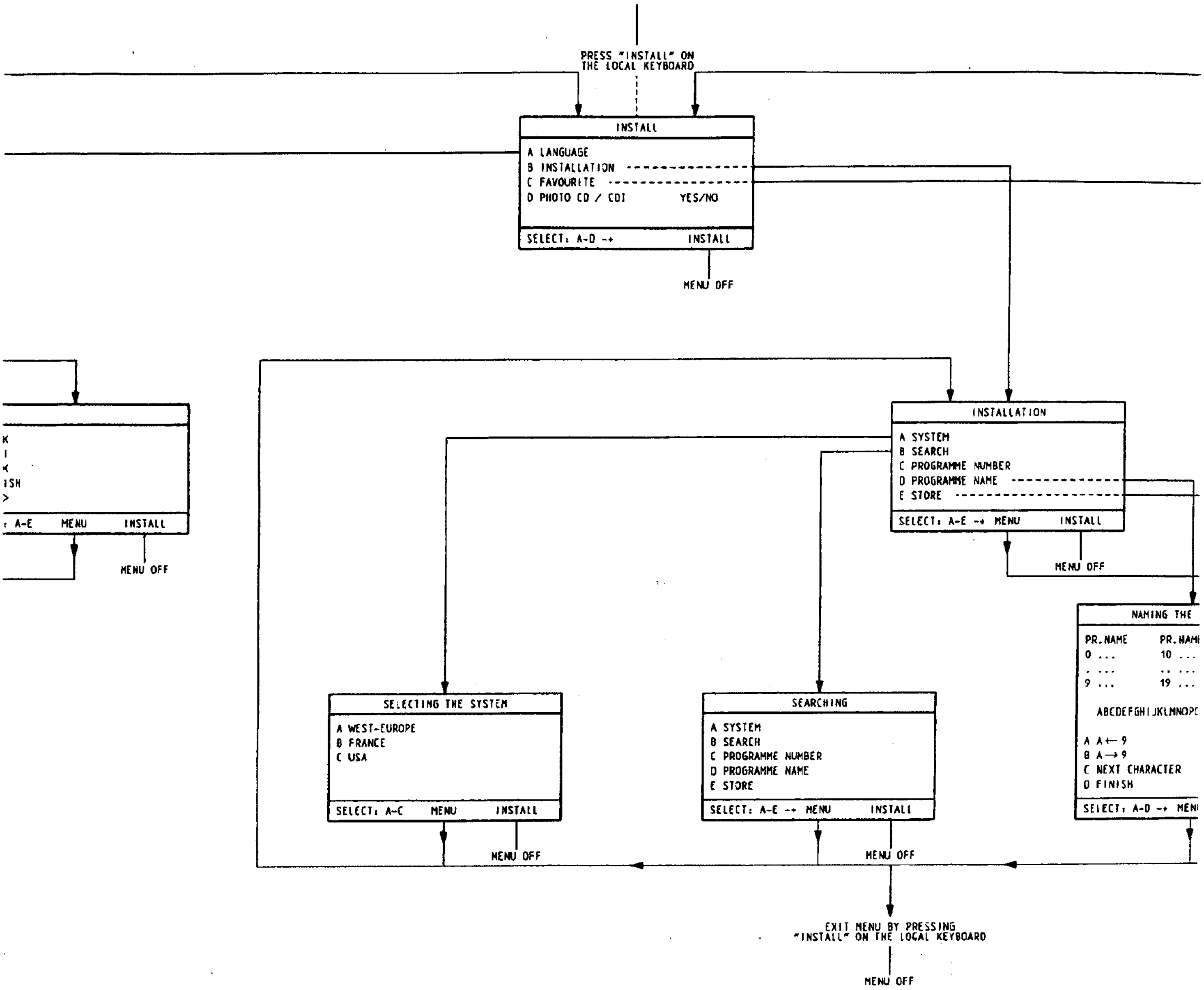

SPECIAL FEATURES
CHILD LOCK ON/OFF
SLEEPTIMER OFF/05-90
PP STORE
DEMONSTRATION ON/OFF
PIP SIZE SMALL/LARGE
LECT: A-E → MENU OFF
MENU OFF
PROGRAMME LIST
PR. NAME PR. NAME PR. NAME
0 ... 10 ... 20 ...
1 ... 11 ... 21 ...
2 ... 12 ... 22 ...
3 ... 13 ... 23 ...
4 ... 14 ... 24 ...
5 ... 15 ... 25 ...
6 ... 16 ... 26 ...
7 ... 17 ... 27 ...
8 ... 18 ... 28 ...
9 ... 19 ... 29 ...
SELECT: MENU OFF
MENU OFF
SERVICE STORED
OPTION ALIGNMENT
WHITE DRIVE ALIGNMENT
CUT OFF ALIGNMENT
STORE
LECT: A-D → MENU OFF
PPSTORE
PPSTORE

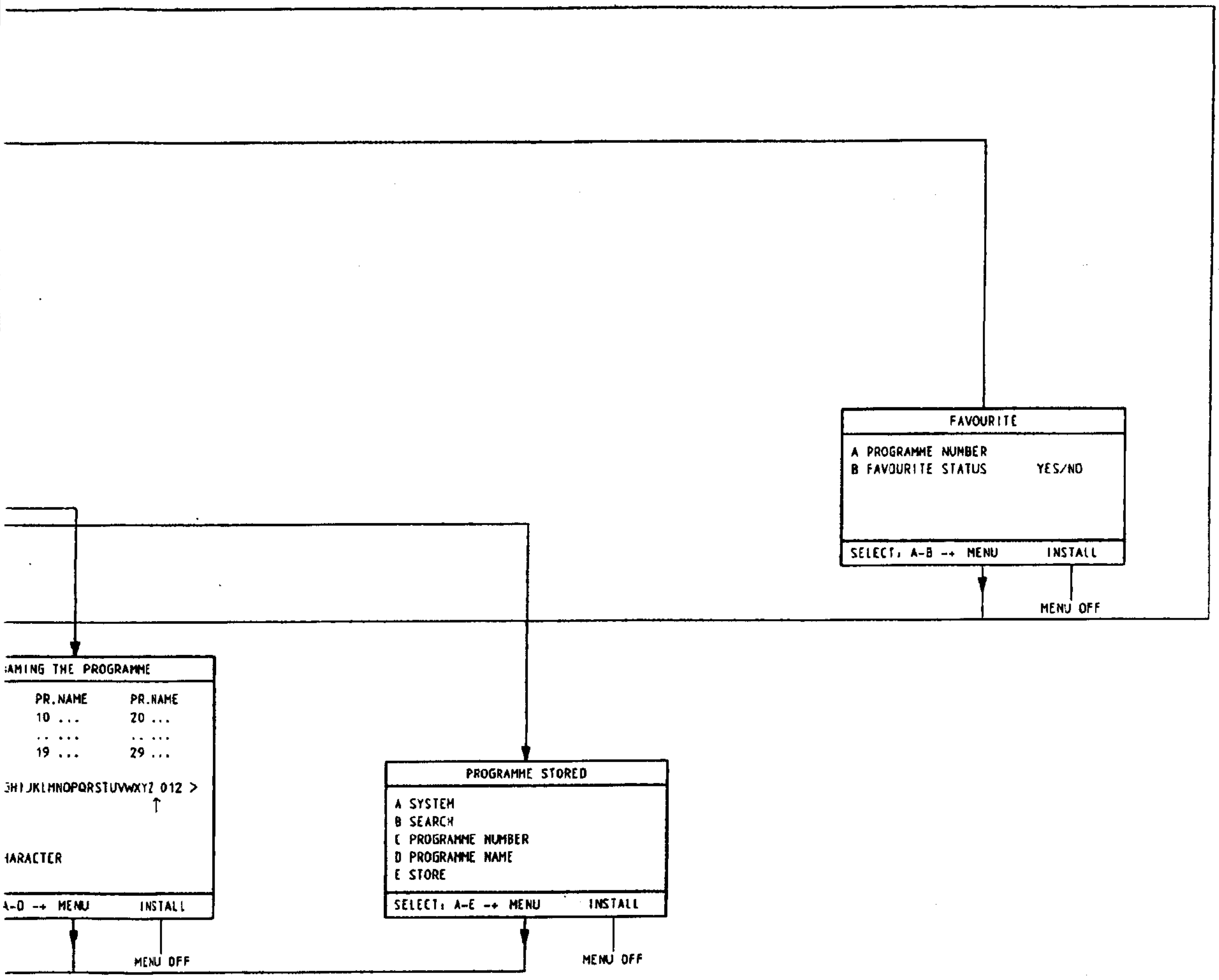
9.8 CHASSIS FL1.1 Survey of menus FL1.7


LANGUAGE STORED
A ENGLISH
B DEUTSCH
C FRANCAIS
D ITALIANO
E >>>>>
SELECT: A-E MENU INSTALL
MENU OFF
A PORTUGUES
B NEDERLANDS
C ESPANOL
D SVENSKA
E >>>>>
SELECT: A-E MENU INSTALL
MENU OFF
A NORSK
B SUOMI
C DANSK
D ENGLISH
E >>>>>
SELECT: A-E MENU INSTALL
MENU OFF


INSTALLATION OF TXT
PRESS
ON REMOTE CONTROL
PRESS "INSTALL" ON THE CONTROLPANEL
TELETEXT PAGE MEMORY
PROG. PAGE
PROG. PAGE
A CURSOR UP
B CURSOR DOWN
C ADD TO LIST
D REMOVE FROM LIST
E STORE
SELECT: A-E 0-9 MENU INSTALL
MENU OFF

INSTALLATION OF STATIONS


PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALL
A LANGUAGE
B INSTALLATION
C FAVOURITE
D PHOTO CD / CDI YES/NO
SELECT: A-D → INSTALL
MENU OFF
K
I
K
ISH
>
: A-E MENU INSTALL
MENU OFF
INSTALLATION
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU INSTALL
MENU OFF
NAMING THE
PR.NAME PR.NAME
0 ... 10 ...
. ...
9 ... 19 ...
ABCDEFGHIJKLMNOPC
A A← 9
B A→ 9
C NEXT CHARACTER
D FINISH
SELECT: A-D → MENU
SELECTING THE SYSTEM
A WEST-EUROPE
B FRANCE
C USA
SELECT: A-C MENU INSTALL
MENU OFF
SEARCHING
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU INSTALL
MENU OFF
EXIT MENU BY PRESSING "INSTALL" ON THE LOCAL KEYBOARD
MENU OFF


FAVOURITE
A PROGRAMME NUMBER
B FAVOURITE STATUS YES/NO
SELECT: A-B → MENU
INSTALL
MENU OFF
AMING THE PROGRAMME
PR.NAME
10 ...
.. ...
19 ...
PR.NAME
20 ...
.. ...
29 ...
GHIJKLMNOPQRSTUVWXYZ 012 >
↑
HARACTER
A-D → MENU
INSTALL
MENU OFF
PROGRAMME STORED
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU
INSTALL
MENU OFF

Spare parts list / Stückliste / Liste

Large signal panel A B G

Connectors

	4822 265 30525	2P male grey
	4822 265 20541	2P male black
	4822 265 40469	6P female gold
	4822 265 40472	10P female gold
	4822 290 40295	7P male
	4822 265 40818	8P male
	4822 267 40985	6P male
	4822 264 40207	3P male
	4822 265 30389	2P male
	4822 265 40596	2P male
	4822 265 20512	2P male green
	4822 267 50591	6P male gold
	4822 264 50149	10P male gold

Various parts

	4822 255 40527	insulating plate
	4822 492 70143	spring 10 X 33MM
	4822 492 62076	spring fix transistor
	4822 492 70788	spring fix IC
	4822 492 70789	spring fix transistor
	4822 276 12998	mains switch
	4822 256 30274	fuse holder
	4822 290 60812	socket for ext. loudspeakers
	4822 267 20417	socket for squeeters
	4822 276 13094	switch loudsp. ON/OFF
	4822 320 11086	focus cable
	4822 320 20162	EHT cable
	4822 212 23749	SOPS CONTROL
	4822 310 61913	SOPS repair kit
1010	4822 212 23892	NTSC ASSY
1200	4822 070 33152	fuse T3,15A
1250	4822 071 52501	fuse T0,25A

-||-

2000	4822 122 31773	560pF 5% 50V
2001	4822 122 31784	4,7nF 10% 50V
2002	4822 122 31784	4,7nF 10% 50V
2003	4822 126 11175	22pF 5% 50V
2004	4822 122 32142	270pF 5% 63V
2005	4822 122 32142	270pF 5% 63V
2007	4822 122 31797	22nF 10% 63V
2008	4822 122 31797	22nF 10% 63V
2009	4822 126 11175	22pF 5% 50V
2011	4822 122 31775	680pF 5% 50V
2012	4822 122 32927	220nF
2013	4822 122 32927	220nF
2015	4822 124 42109	22µF 10% 50V
2016	4822 124 42109	22µF 10% 50V
2018	4822 122 31797	22nF 10% 63V
2019	4822 122 31414	10nF 100V
2020	4822 122 31414	10nF 100V
2021	4822 122 31414	10nF 100V
2022	4822 122 31414	10nF 100V
2023	5322 122 33446	3,3nF 10% 63V
2024	5322 122 33446	3,3nF 10% 63V
2025	4822 122 10166	22nF 30% 16V
2026	4822 122 32927	220nF
2027	4822 122 32927	220nF
2028	4822 122 32927	220nF
2029	4822 122 32927	220nF
2030	4822 126 11175	22pF 5% 50V
2031	4822 126 11175	22pF 5% 50V

-||-

2032	4822 122 31797	22nF 10% 63V
2033	4822 122 10166	22nF 30% 16V
2035	4822 122 31775	680pF 5% 50V
2038	4822 122 31644	2,2nF 10% 63V
2040	4822 122 32927	220nF
2041	4822 122 32927	220nF
2043	4822 122 32927	220nF
2045	4822 122 32927	220nF
2046	4822 122 32927	220nF
2047	4822 122 32927	220nF
2050	4822 124 42362	33µF 20% 16V
2051	4822 124 42362	33µF 20% 16V
2052	4822 124 42362	33µF 20% 16V
2053	4822 124 42362	33µF 20% 16V
2056	4822 122 31773	560pF 5% 50V
2057	4822 122 31773	560pF 5% 50V
2058	4822 122 31773	560pF 5% 50V
2059	4822 122 31773	560pF 5% 50V
2060	4822 122 31773	560pF 5% 50V
2061	4822 122 31773	560pF 5% 50V
2065	4822 126 11156	684nF 20%
2066	4822 126 11156	684nF 20%
2070	4822 124 40272	33µF 20% 16V
2071	4822 124 42184	33µF 20% 25V
2072	4822 124 41584	100µF 20% 10V
2073	4822 124 21212	15µF 20% 40V
2074	5322 122 31647	1nF 10% 63V
2200	4822 121 43819	680nF 10% 250V
2203	4822 121 40487	100nF 10% 400V
2210	4822 126 11141	2,2nF 10% 1kV
2211	4822 126 11141	2,2nF 10% 1kV
2214	4822 124 23492	220µF 50% 385V
2215	4822 122 33665	3,3nF 20% 125V
2216	4822 126 10202	1,5nF 10% 2kV
2230	4822 122 31784	4,7nF 10% 50V
2231	4822 126 11157	470pF 10% 500V
2232	4822 124 40738	330µF 20% 25V
2233	4822 126 11157	470pF 10% 500V
2234	4822 124 40738	330µF 20% 25V
2235	4822 126 11157	470pF 10% 500V
2237	4822 122 33708	2,2nF 10% 1kV
2238	4822 124 22583	47µF 160V
2239	4822 124 40193	68µF 20% 16V
2240	4822 124 42183	1000µF 20% 63V
2254	4822 126 11496	120pF 5% 2kV
2255	4822 122 32142	270pF 5% 63V
2258	5322 121 42502	390nF 5% 63V
2260	4822 122 31727	470pF 5% 63V
2261	5322 124 21189	100µF 20% 40V
2262	4822 122 31727	470pF 5% 63V
2263	4822 124 40849	330µF 20% 16V
2270	4822 124 41584	100µF 20% 10V
2272	4822 122 33496	100nF 10% 63V
2302	4822 122 31765	100pF 5% 50V
2303	4822 122 31808	150pF 10% 50V
2308	4822 122 32891	68nF 10% 63V
2321	4822 121 51319	1µF 10% 63V
2331	4822 122 32891	68nF 10% 63V
2351	4822 121 41854	150nF 5% 63V
2360	4822 122 31981	33nF ±0,5pF 50V
2361	4822 121 42589	82nF 5% 63V
2365	5322 122 32838	82nF 10% 63V
2372	5322 121 42502	390nF 5% 63V
2376	4822 124 40272	33µF 20% 16V
2380	4822 122 33496	100nF 10% 63V
2381	4822 122 33496	100nF 10% 63V
2382	4822 122 33496	100nF 10% 63V
2386	5322 122 31647	1nF 10% 63V

-||-

2401	4822 122 32542	47nF 10% 63V
2402	4822 124 41576	2,2µF 20% 50V
2403	5322 124 41431	22µF 20% 35V
2404	4822 124 41577	4,7µF 20% 50V
2405	4822 122 32542	47nF 10% 63V
2406	4822 121 51091	1,2nF 2% 250V
2407	4822 122 32153	1,8nF 10% 63V
2408	4822 122 31168	270pF 10% 500V
2409	4822 122 31797	22nF 10% 63V
2410	4822 121 41854	150nF 5% 63V
2411	4822 121 41854	150nF 5% 63V
2412	4822 122 31211	100pF 10% 500V
2415	4822 122 32542	47nF 10% 63V
2416	4822 122 33496	100nF 10% 63V
2417	4822 122 32808	1,2nF 10% 63V
2418	4822 122 31797	22nF 10% 63V
2419	4822 124 40849	330µF 20% 16V
2450	4822 122 32442	10nF 50V
2451	4822 122 31746	1000pF 5% 50V
2452	4822 124 41716	220µF 20% 35V
2455	4822 122 31771	390pF 5% 50V
2456	4822 124 41334	470µF 20% 35V
2456	4822 124 41747	680µF 20%
2457	4822 124 42251	1,5µF 10% 50V
2458	4822 122 31797	22nF 10% 63V
2459	4822 122 32891	68nF 10% 63V
2460	4822 122 33496	100nF 10% 63V
2480	4822 124 23495	10µF 20% 25V
2501	4822 122 31961	68pF 5% 63V
2502	4822 121 41689	100nF 10% 250V
2503	4822 126 11157	470pF 10% 500V
2504	4822 126 11495	1nF 10% 2kV
2504	4822 126 11539	1,2nF 10% 2kV
2504	4822 126 11495	1nF 10% 2kV
2509	4822 122 31171	1,2nF 10% 500V
2511	4822 124 41739	47µF 20% 160V
2512	4822 124 40435	10µF 20% 50V
2513	4822 124 40435	10µF 20% 50V
2517	4822 122 31177	470pF 10% 500V
2518	4822 124 22449	4,7µF 30% 350V
2519	4822 124 41831	1µF 20% 160V
2520	4822 121 51528	470nF 5% 250V
2521	4822 121 51563	560nF 5% 250V
2523	5322 121 42523	8,2nF 5% 2kV
2524	4822 121 43915	27nF 5% 630V
2529	4822 124 23491	0,47µF 20% 50V
2530	4822 122 31797	22nF 10% 63V
2531	4822 121 40516	22nF 10% 250V
2533	5322 122 32818	2,2nF 10% 100V
2534	4822 126 11502	470pF 10% 500V
2535	4822 124 23488	1000µF 20% 35V
2536	4822 122 31177	470pF 10% 500V
2537	4822 124 40184	1000µF 20% 10V
2541	4822 124 42184	33µF 20% 25V
2542	4822 124 22466	1µF 20% 50V
2543	4822 124 23495	10µF 20% 25V
2546	4822 122 33496	100nF 10% 63V
2547	4822 122 33498	2,7nF 10% 63V
2551	4822 124 40195	150µF 20% 16V
2600	4822 124 41577	4,7µF 20% 50V
2601	4822 122 31797	22nF 10% 63V
2603	4822 122 32891	68nF 10% 63V
2603	4822 122 32542	47nF 10% 63V
2603	4822 122 33496	100nF 10% 63V
2605	4822 122 31781	1500pF 10% 50V
2605	4822 122 33498	2,7nF 10% 63V
2606	4822 122 33496	100nF 10% 63V
2609	4822 121 43396	120nF 5% 63V

Spare parts list / Stückliste / Liste

Large signal panel A B G

⊣⊢

2610	4822 124 41576	2,2μF 20% 50V
2611	4822 124 41576	2,2μF 20% 50V
2613	4822 122 31784	4,7nF 10% 50V
2613	4822 122 31773	560pF 5% 50V

-▭-

3000	4822 051 10912	9k1 2% 0,25W
3001	4822 051 10912	9k1 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10104	100k 2% 0,25W
3006	4822 051 10224	220k 2% 0,25W
3009	4822 051 10224	220k 2% 0,25W
3011	4822 051 10203	20k 2% 0,25W
3012	4822 051 10203	20k 2% 0,25W
3013	4822 116 52268	300k 5% 0,5W
3014	4822 116 52268	300k 5% 0,5W
3016	4822 052 10828	8Ω2 5% 0,33W
3021	4822 052 10828	8Ω2 5% 0,33W
3022	4822 052 10828	8Ω2 5% 0,33W
3025	4822 051 10333	33k 2% 0,25W
3027	4822 051 10103	10k 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 051 10123	12k 2% 0,25W
3030	4822 051 10123	12k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10102	1k 2% 0,25W
3033	4822 116 52244	15k 5% 0,5W
3034	4822 051 10472	4k7 2% 0,25W
3035	4822 051 10153	15k 2% 0,25W
3036	4822 051 10152	1k5 2% 0,25W
3037	4822 051 10152	1k5 2% 0,25W
3040	4822 051 10273	27k 2% 0,25W
3041	4822 051 10152	1k5 2% 0,25W
3043	4822 051 10203	20k 2% 0,25W
3044	4822 051 10221	220Ω 2% 0,25W
3049	4822 051 10102	1k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3051	4822 051 10203	20k 2% 0,25W
3052	4822 051 10472	4k7 2% 0,25W
3053	4822 051 10472	4k7 2% 0,25W
3054	4822 053 21475	4M7 5% 0,5W
3060	4822 051 10203	20k 2% 0,25W
3065	4822 051 10183	18k 2% 0,25W
3066	4822 051 10183	18k 2% 0,25W
3067	4822 116 52296	6k8 5% 0,5W
3068	4822 116 52207	1k2 5% 0,5W
3069	4822 051 10752	7k5 2% 0,25W
3072	4822 051 10479	47Ω 2% 0,25W
3073	4822 116 52257	22k 5% 0,5W
3074	4822 051 10103	10k 2% 0,25W
3201	4822 053 21475	4M7 5% 0,5W
3202	4822 053 21475	4M7 5% 0,5W
3204	4822 116 40033	NTC/PTC
3204	4822 116 40215	PTC
3209	4822 113 80384	1Ω5 10% 7W
3210	4822 116 52239	120k 5% 0,5W
3211	4822 116 52239	120k 5% 0,5W
3212	4822 116 52234	100k 5% 0,5W
3213	4822 051 10823	82k 2% 0,25W
3215	4822 051 10472	4k7 2% 0,25W
3216	4822 115 90309	56Ω 10% 5W
3239	4822 116 52297	68k 5% 0,5W
3240	4822 116 52234	100k 5% 0,5W
3240	4822 116 52297	68k 5% 0,5W
3241	4822 113 80572	2Ω2 10% 5W
3241	4822 113 80584	2Ω7 10% 5W
3242	4822 051 10122	1k2 2% 0,25W

-▭-

3243	4822 116 52229	750Ω 5% 0,5W
3244	4822 116 52211	150Ω 5% 0,5W
3245	4822 116 52229	750Ω 5% 0,5W
3247	4822 051 20222	2k2 5% 0,1W
3248	4822 051 20222	2k2 5% 0,1W
3249	4822 116 52258	220k 5% 0,5W
3250	4822 116 52198	62Ω 5% 0,5W
3251	4822 051 10102	1k 2% 0,25W
3252	4822 116 52258	220k 5% 0,5W
3253	4822 116 82738	10k 10%
3255	4822 116 52243	1k5 5% 0,5W
3266	4822 051 10151	150Ω 2% 0,25W
3267	4822 051 10101	100Ω 2% 0,25W
3268	4822 053 11689	68Ω 5% 2W
3270	4822 051 10118	1Ω1 5% 0,25W
3271	4822 053 10399	39Ω 5% 1W
3272	4822 051 51201	120Ω 1% 0,125W
3273	4822 051 10472	4k7 2% 0,25W
3274	4822 051 10102	1k 2% 0,25W
3275	4822 116 52206	120Ω 5% 0,5W
3298	4822 051 10479	47Ω 2% 0,25W
3298	4822 051 10569	56Ω 2% 0,25W
3298	4822 051 10689	68Ω 2% 0,25W
3298	4822 051 10821	820Ω 2% 0,25W
3298	4822 051 10122	1k2 2% 0,25W
3298	4822 051 10182	1k8 2% 0,25W
3300	4822 053 10753	75k 5% 1W
3304	4822 051 10473	47k 2% 0,25W
3305	4822 051 10472	4k7 2% 0,25W
3305	4822 051 10332	3k3 2% 0,25W
3306	4822 051 10823	82k 2% 0,25W
3308	4822 053 12151	150Ω 5% 3W
3309	4822 051 10103	10k 2% 0,25W
3310	4822 050 11109	11Ω 1% 0,4W
3310	4822 116 52184	18Ω 5% 0,5W
3311	4822 051 10471	470Ω 2% 0,25W
3312	4822 051 10101	100Ω 2% 0,25W
3313	4822 050 11109	11Ω 1% 0,4W
3313	4822 116 52184	18Ω 5% 0,5W
3314	4822 116 52223	430Ω 5% 0,5W
3315	4822 116 52223	430Ω 5% 0,5W
3317	4822 051 10682	6k8 2% 0,25W
3320	4822 051 10471	470Ω 2% 0,25W
3321	4822 051 10471	470Ω 2% 0,25W
3322	4822 051 10471	470Ω 2% 0,25W
3331	4822 116 52267	30k 5% 0,5W
3332	4822 116 52233	10k 5% 0,5W
3351	4822 052 11279	27Ω 5% 0,5W
3356	4822 051 10132	1k3 2% 0,25W
3356	4822 051 10751	750Ω 2% 0,25W
3357	4822 050 13302	3k3 1% 0,4W
3357	4822 050 27871	787Ω 1% 0,6W
3358	4822 116 52183	16Ω 5% 0,5W
3360	4822 051 10122	1k2 2% 0,25W
3362	4822 051 10151	150Ω 2% 0,25W
3364	4822 051 10471	470Ω 2% 0,25W
3365	4822 051 10221	220Ω 2% 0,25W
3366	4822 051 10221	220Ω 2% 0,25W
3368	4822 116 52226	560Ω 5% 0,5W
3369	4822 116 52226	560Ω 5% 0,5W
3370	4822 051 10332	3k3 2% 0,25W
3371	4822 100 11348	1k 30% LIN
3372	4822 051 10561	560Ω 2% 0,25W
3374	4822 116 52301	75k 5% 0,5W
3375	5322 111 90282	2k4 2% 0,25W
3376	4822 116 52175	100Ω 5% 0,5W
3378	4822 051 10101	100Ω 2% 0,25W

-▭-

3380	4822 051 10152	1k5 2% 0,25W
3381	4822 051 10152	1k5 2% 0,25W
3382	4822 051 10103	10k 2% 0,25W
3383	4822 051 10103	10k 2% 0,25W
3387	4822 051 10223	22k 2% 0,25W
3402	4822 051 10562	5k6 2% 0,25W
3403	4822 051 10229	22Ω 2% 0,25W
3404	4822 051 10182	1k8 2% 0,25W
3405	4822 051 10333	33k 2% 0,25W
3406	4822 100 11483	10k 30% LIN
3407	4822 051 10561	560Ω 2% 0,25W
3408	4822 051 10563	56k 2% 0,25W
3409	4822 116 52272	330k 5% 0,5W
3410	5322 101 11013	330k 30% LIN
3411	4822 051 10104	100k 2% 0,25W
3411	4822 051 10913	91k 2% 0,25W
3413	4822 051 10101	100Ω 2% 0,25W
3414	4822 051 10154	150k 2% 0,25W
3415	4822 100 11392	47k 30% LIN
3417	4822 116 52256	2k2 5% 0,5W
3418	4822 051 10201	200Ω 2% 0,25W
3419	4822 052 10279	27Ω 5% 0,33W
3420	4822 050 23905	3M9 1% 0,6W
3421	4822 116 52243	1k5 5% 0,5W
3422	4822 116 81223	1M2 5% 0,5W
3422	4822 116 81783	1M5 5% 0,5W
3424	4822 051 10221	220Ω 2% 0,25W
3426	4822 051 10331	330Ω 2% 0,25W
3428	4822 116 52271	33k 5% 0,5W
3429	4822 116 52269	3k3 5% 0,5W
3430	4822 051 10471	470Ω 2% 0,25W
3437	4822 116 52224	470Ω 5% 0,5W
3438	4822 116 52205	1k1 5% 0,5W
3439	4822 116 52247	16k 5% 0,5W
3441	4822 051 10622	6k2 2% 0,25W
3442	4822 051 10332	3k3 2% 0,25W
3444	4822 051 10103	10k 2% 0,25W
3446	4822 116 52264	27k 5% 0,5W
3450	4822 051 10432	4k3 2% 0,25W
3451	4822 051 10432	4k3 2% 0,25W
3455	4822 051 10471	470Ω 2% 0,25W
3456	4822 051 10124	120k 2% 0,25W
3456	4822 051 10134	130k 2% 0,25W
3457	4822 051 10822	8k2 2% 0,25W
3457	4822 051 10912	9k1 2% 0,25W
3458	4822 116 80676	1Ω5 5% 0,2W
3459	4822 116 80676	1Ω5 5% 0,2W
3460	4822 053 10271	270Ω 5% 1W
3461	4822 116 80176	1Ω 5% 0,5W
3462	4822 116 80176	1Ω 5% 0,5W
3463	4822 116 80176	1Ω 5% 0,5W
3465	4822 051 10681	680Ω 2% 0,25W
3466	4822 116 52243	1k5 5% 0,5W
3466	4822 116 52263	2k7 5% 0,5W
3466	4822 116 52279	4k3 5% 0,5W
3467	4822 100 20166	10k 30% LIN
3468	4822 053 12221	220Ω 5% 3W
3469	4822 050 11002	1k 1% 0,4W
3469	4822 116 52263	2k7 5% 0,5W
3469	4822 116 52279	4k3 5% 0,5W
3473	4822 116 52253	2k 5% 0,5W
3479	4822 051 10683	68k 2% 0,25W
3480	4822 116 52234	100k 5% 0,5W
3481	4822 051 10102	1k 2% 0,25W
3482	4822 051 10229	22Ω 2% 0,25W
3483	4822 051 10563	56k 2% 0,25W
3484	4822 051 10223	22k 2% 0,25W
3485	4822 051 10102	1k 2% 0,25W

Spare parts list / Stückliste / Liste

Large signal panel A B G

3500	4822 116 80176	1Ω 5% 0,5W
3501	4822 116 52271	33k 5% 0,5W
3502	4822 116 52299	7k5 5% 0,5W
3503	4822 116 52299	7k5 5% 0,5W
3504	4822 053 11108	1Ω 5% 2W
3505	4822 116 52191	33Ω 5% 0,5W
3506	4822 053 11108	1Ω 5% 2W
3507	4822 116 52191	33Ω 5% 0,5W
3508	4822 116 82773	1k8 10% 5W
3509	4822 053 21154	150k 5% 0,5W
3510	4822 053 12331	330Ω 5% 3W
3511	4822 116 52176	10Ω 5% 0,5W
3512	4822 051 10331	330Ω 2% 0,25W
3513	4822 100 20166	10k 30% LIN
3514	4822 116 52186	22Ω 5% 0,5W
3515	4822 116 81191	6Ω8 5% 0,3W
3516	4822 116 81191	6Ω8 5% 0,3W
3517	4822 052 11108	1Ω 5% 0,5W
3518	4822 116 52267	30k 5% 0,5W
3519	4822 116 52267	30k 5% 0,5W
3520	4822 052 10338	3Ω3 5% 0,33W
3521	4822 052 10338	3Ω3 5% 0,33W
3524	4822 116 81753	4Ω7 5% 0,5W
3527	4822 051 10102	1k 2% 0,25W
3528	4822 116 52229	750Ω 5% 0,5W
3529	4822 051 10104	100k 2% 0,25W
3530	4822 051 10474	470k 2% 0,25W
3531	4822 116 52274	36k 5% 0,5W
3532	4822 116 52211	150Ω 5% 0,5W
3533	4822 116 52211	150Ω 5% 0,5W
3534	4822 052 11278	2Ω7 5% 0,5W
3535	4822 052 11278	2Ω7 5% 0,5W
3536	4822 116 52221	360Ω 5% 0,5W
3537	4822 116 52186	22Ω 5% 0,5W
3538	4822 116 52241	13k 5% 0,5W
3538	4822 116 52238	12k 5% 0,5W
3540	4822 116 52267	30k 5% 0,5W
3541	4822 116 52285	470k 5% 0,5W
3542	4822 051 10104	100k 2% 0,25W
3543	4822 051 10152	1k5 2% 0,25W
3544	4822 051 10393	39k 2% 0,25W
3545	4822 116 52208	130Ω 5% 0,5W
3547	4822 051 10518	5Ω1 5% 0,25W
3548	4822 051 10392	3k9 2% 0,25W
3549	4822 051 10124	120k 2% 0,25W
3550	4822 116 52209	1k3 5% 0,5W
3551	4822 051 10569	56Ω 2% 0,25W
3601	4822 051 10104	100k 2% 0,25W
3601	4822 051 10154	150k 2% 0,25W
3602	4822 100 20166	10k 30% LIN
3603	4822 051 10153	15k 2% 0,25W
3603	4822 051 20183	18k 5% 0,1W
3603	4822 051 10103	10k 2% 0,25W
3603	4822 051 10912	9k1 2% 0,25W
3604	4822 051 10124	120k 2% 0,25W
3604	4822 051 10154	150k 2% 0,25W
3604	4822 051 10134	130k 2% 0,25W
3605	4822 051 10133	13k 2% 0,25W
3605	4822 051 10243	24k 2% 0,25W
3606	4822 051 10333	33k 2% 0,25W
3607	4822 100 11213	22k 30% LIN
3608	4822 051 10102	1k 2% 0,25W
3609	4822 051 10473	47k 2% 0,25W
3610	4822 051 10472	4k7 2% 0,25W
3611	4822 051 20222	2k2 5% 0,1W
3614	4822 051 10152	1k5 2% 0,25W
3615	4822 116 52224	470Ω 5% 0,5W
3616	4822 051 10332	3k3 2% 0,25W
3617	4822 051 20222	2k2 5% 0,1W
3618	4822 051 10104	100k 2% 0,25W
3619	4822 051 20222	2k2 5% 0,1W
3620	4822 051 10622	6k2 2% 0,25W
3621	4822 051 10164	160k 2% 0,25W
3622	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 52242	130k 5% 0,5W
3626	4822 116 52265	270k 5% 0,5W
3626	4822 116 52242	130k 5% 0,5W
3626	4822 116 52258	220k 5% 0,5W
3627	4822 051 10103	10k 2% 0,25W
3628	4822 116 52234	100k 5% 0,5W
3629	4822 051 10224	220k 2% 0,25W
3630	4822 051 10104	100k 2% 0,25W
3631	4822 051 10182	1k8 2% 0,25W
3632	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10153	15k 2% 0,25W

Jumpers

9039	4822 051 10333	33K 2% 0,25W
4000	4822 051 10008	0Ω 5% 0,25W
4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4004	4822 051 10008	0Ω 5% 0,25W
4006	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4400	4822 051 10008	0Ω 5% 0,25W
4402	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4412	4822 051 10008	0Ω 5% 0,25W
4413	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4416	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10272	2k7 2% 0,25W
4508	4822 051 10102	1k 2% 0,25W
4530	4822 051 10008	0Ω 5% 0,25W
4531	4822 051 10008	0Ω 5% 0,25W
4533	4822 051 10008	0Ω 5% 0,25W
4534	4822 051 10008	0Ω 5% 0,25W
4541	4822 051 10008	0Ω 5% 0,25W
4552	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W

5202	4822 212 23611	transf. assy CU20D3
5205	4822 212 23611	transf. assy CU20D3
5230	4822 148 81167	SOPS transf.
5230	4822 148 81192	SOPS transf. 33"
5231	4822 526 10494	ferrite bead
5233	4822 526 10494	ferrite bead
5235	4822 526 10494	ferrite bead
5237	4822 526 10494	ferrite bead
5241	4822 157 63249	33μH 10%
5255	4822 148 81225	μSOPS transf.
5260	4822 526 10494	ferrite bead
5262	4822 526 10494	ferrite bead
5308	4822 157 62826	270μH 10%
5308	4822 157 63302	150μH 10% 33"
5310	4822 157 63251	3,9μH 10%
5310	4822 157 63301	1μH 15% 33"
5381	4822 157 52265	100μH 10%
5503	4822 157 63252	line driver
5511	4822 157 52407	39μH 7,5%
5514	4822 157 63256	DC-SHIFT
5520	4822 157 63254	LINEARITY
5521	4822 157 63255	COIL
5524	4822 526 10494	ferrite bead
5526	4822 157 63253	EAST-WEST
5534	5322 157 52539	15μH 7,5%
5543	4822 158 10549	12μH 7,5%
5555	4822 140 10424	L.O.T.

6000	4822 130 80446	LL4148
6001	4822 130 80446	BAS32L
6008	4822 209 73095	P4KE30C-7000
6010	4822 130 80446	LL4148
6011	4822 130 80446	LL4148
6012	4822 130 80446	LL4148
6016	4822 130 80446	LL4148
6021	4822 130 80446	LL4148
6201	4822 130 80446	LL4148
6210	4822 130 33887	GP15J-16
6211	4822 130 33887	GP15J-16
6212	4822 130 33887	GP15J-16
6213	4822 130 33887	GP15J-16
6216	4822 130 42606	BYD33J
6220	4822 130 33887	GP15J
6221	4822 130 33887	GP15J
6230	4822 130 33529	BY229F-200
6232	4822 130 33529	BY229F-200
6235	4822 130 81104	MA689
6237	4822 130 80572	RGP30J-L7004
6238	4822 130 80572	RGP30J-L7004
6246	4822 130 82347	LLZ-F6V8
6251	4822 130 80954	LLZ-C5V6
6260	4822 130 80446	LL4148
6262	4822 130 42488	BYD33D
6266	4822 130 34278	BZX79-F6V8
6272	4822 130 34173	BZX55-B5V6
6280	4822 130 30621	1N4148
6302	4822 130 80446	LL4148
6303	4822 130 80446	LL4148
6304	4822 130 80446	LL4148
6306	5322 130 31504	BZX79-C20
6308	4822 130 42488	BYD33D
6312	4822 130 42488	BYD33D
6315	4822 130 80446	LL4148
6318	4822 130 80446	LL4148
6319	4822 130 34173	BZX79-C5V6
6321	4822 130 80954	BZV55-C5V6
6331	4822 130 30621	1N4148
6349	4822 130 80446	LL4148
6350	4822 130 80446	LL4148
6351	4822 130 30621	1N4148
6352	4822 130 80446	LL4148
6353	4822 130 80446	LL4148
6355	4822 130 80446	LL4148
6356	4822 130 80886	LLZ-F22
6357	4822 130 80446	LL4148
6370	4822 130 81512	LLZ-C6V2
6371	4822 130 80446	LL4148
6372	4822 130 80446	LL4148

Large

6373
6375
6376
6376
6403
6404
6417
6440
6441
6451
6452
6465
6466
6480
6504
6506
6515
6516
6517
6519
6520
6526
6527
6529
6535
6536
6542
6546
6547
6551
6553
6601
6629

7000
7001
7002
7003
7005
7006
7007
7008
7009
7010
7011
7012
7013
7201
7216
7216
7241
7242
7243
7250
7251
7268
7270
7272
7273
7305
7311
7312
7312
7318
7320

Spare parts list / Stückliste / Liste

Large signal panel A B G

—▶|—

6373	4822 130 82583	LLZ-C9V1
6375	4822 130 80446	LL4148
6376	4822 130 80922	LLZ-C18
6376	4822 130 81143	BZV55-C20
6403	4822 130 80446	LL4148
6404	4822 130 80446	LL4148
6417	4822 130 81223	LLZ-C2V4
6440	4822 130 80446	LL4148
6441	4822 130 80446	LL4148
6451	5322 130 34834	BZX79-C3V6
6452	4822 130 42488	BYD33D
6465	4822 130 80446	LL4148
6466	4822 130 80446	LL4148
6480	4822 130 31554	BZX79-C4V3
6504	4822 130 42488	BYD33D
6506	4822 130 42488	BYD33D
6515	4822 130 80877	BAV103
6516	4822 130 80877	BAV103
6517	4822 130 42488	BYD33D
6519	4822 130 32896	BYD33M
6520	4822 130 32896	BYD33M
6526	4822 130 33531	BY229F-600
6527	4822 130 82966	MURF10150E
6529	4822 130 34329	BZX79-C43
6535	4822 130 82512	BYV29F-400
6536	4822 130 82758	BYV29F-300
6542	4822 130 30842	BAV21
6546	4822 130 80446	LL4148
6547	4822 130 80446	LL4148
6551	4822 130 34278	BZX79-B6V8
6553	4822 130 82334	BAS85
6601	4822 130 42488	BYD33D
6629	4822 130 80446	LL4148

7000	4822 209 73311	TDA1521Q/N4
7001	4822 209 73311	TDA1521Q/N4
7002	4822 209 83163	LM833N
7003	4822 130 61207	BC848
7005	5322 130 42136	BC848C
7006	5322 130 42136	BC848C
7007	4822 130 61207	BC848
7008	4822 130 61207	BC848
7009	4822 209 83163	LM833N
7010	5322 130 42012	BC858
7011	4822 209 63913	TDA1521AQ/N4
7012	4822 130 61207	BC848
7013	4822 130 61207	BC848
7201	5322 130 42756	BC857C
7216	4822 130 60851	2SC3973B
7216	4822 130 62735	BUT12AF
7241	4822 130 61003	BD944F
7242	5322 130 41981	BC848A
7243	5322 130 41981	BC848A
7250	4822 130 62509	BUX85F
7251	4822 130 61207	BC848
7268	4822 130 44121	BC338
7270	4822 130 40823	BD135
7272	4822 130 61207	BC848
7273	4822 130 42513	BC858C
7305	5322 130 42136	BC848C
7311	4822 130 42513	BC858C
7312	5322 130 44647	BC368
7312	4822 130 62955	ON4703-BD437
7318	4822 130 42615	BC817-40
7320	4822 130 82034	CNX83A
7321	4822 130 62742	BD943F
7360	5322 130 42756	BC857C
7369	5322 130 42755	BC847C
7370	5322 130 42755	BC847C
7371	4822 130 42513	BC858C
7380	4822 130 42513	BC858C
7381	5322 130 42136	BC848C
7384	5322 130 42755	BC847C
7385	5322 130 42136	BC848C
7400	4822 209 72363	TDA2579A/N8
7402	5322 130 42136	BC848C
7403	4822 130 42513	BC858C
7407	4822 130 61207	BC848
7417	4822 130 42513	BC858C
7444	5322 130 42136	BC848C
7445	5322 130 42136	BC848C
7450	4822 209 73308	TDA3654Q/N3
7451	5322 130 42012	BC858
7469	4822 130 44104	BC328
7480	4822 130 42513	BC858C
7481	5322 130 42136	BC848C
7504	4822 130 62934	2 x ON4673
7506	4822 130 62934	2 x ON4673
7512	4822 130 44196	BC548C
7513	5322 130 60068	BC558C
7530	4822 130 61233	BC857
7540	5322 130 42755	BC847C
7541	5322 130 42755	BC847C
7542	5322 130 42756	BC857C
7543	4822 130 60136	BC856
7550	4822 130 80669	BD643F
7601	4822 130 61207	BC848
7602	5322 130 42012	BC858
7603	5322 130 42012	BC858
7608	4822 130 44503	BC547C
7610	4822 130 60111	2SA1359
7616	4822 130 61207	BC848
7618	4822 130 61207	BC848

Spare parts list / Stückliste / Liste

Small signal panel C D F H

Connectors

	4822 265 40252	7P male
	4822 265 40253	8P
	4822 265 41113	7P
	4822 265 41114	9P
	4822 265 41086	9P male
	4822 265 41082	10P
	4822 290 40295	7P male
	4822 267 40648	5P male gold
	4822 264 50149	10P male gold
	4822 264 40207	3P male
	4822 264 50149	10P male gold
	4822 265 40442	10P male
	4822 264 40207	3P male red
	4822 265 20509	2P male
	4822 265 30828	5P male brown
	4822 265 30899	5P male black
	4822 267 40648	5P male gold
	4822 265 30437	3P male

Various parts

	4822 267 20427	socket SCART + 4xcinch
	4822 267 51058	socket SCART
	4822 267 41005	socket 2xcinch + 2xSVHS
	4822 267 41004	socket HEADPH. + cinch + SVHS
	4822 218 21075	keyboard
	4822 255 40901	socket 40 POLE
1100	4822 212 23281	IR receiver
1160	4822 210 10409	FQ816ME/IF
1160	4822 210 10416	FQ816MF/IF
1160	4822 210 10412	FQ844
1248	4822 242 80364	filter 4,43MHz
1379	4822 242 70736	crystal 7,159MHz
1380	4822 242 70304	crystal 8,867MHz
1602	4822 242 80276	crystal 10MHz

⊣⊢

2100	4822 124 40684	150µF 20% 6,3V
2111	4822 122 32863	22nF 80% 50V
2114	4822 124 22606	68µF 20% 16V
2118	4822 122 31797	22nF 10% 63V
2119	4822 122 31797	22nF 10% 63V
2120	4822 122 32863	22nF 80% 50V
2121	5322 122 31647	1nF 10% 63V
2122	4822 122 32442	10nF 50V
2123	4822 126 11804	330nF
2130	4822 122 31797	22nF 10% 63V
2131	4822 124 22606	68µF 20% 16V
2132	4822 122 31797	22nF 10% 63V
2137	4822 122 32442	10nF 50V
2138	4822 124 40193	68µF 20% 16V
2160	4822 124 40849	330µF 20% 16V
2161	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2166	4822 124 40684	150µF 20% 6,3V
2168	4822 122 32927	220nF
2169	4822 122 32442	10nF 50V
2170	4822 124 40195	150µF 20% 16V
2171	4822 122 32862	10nF 80% 50V
2172	4822 124 41506	47µF 20% 16V
2188	4822 122 32863	22nF 80% 50V
2189	4822 122 32863	22nF 80% 50V
2190	4822 122 32863	22nF 80% 50V

⊣⊢

2193	4822 122 32153	1,8nF 10% 63V
2194	4822 122 32153	1,8nF 10% 63V
2196	4822 124 22606	68µF 20% 16V
2197	4822 124 22606	68µF 20% 16V
2216	4822 122 32927	220nF
2219	4822 122 32927	220nF
2234	4822 122 32927	220nF
2240	4822 122 32927	220nF
2241	4822 121 42408	220nF 5% 63V
2242	4822 124 40196	220µF 20% 16V
2243	4822 121 42408	220nF 5% 63V
2245	4822 122 32927	220nF
2249	4822 122 32862	10nF 80% 50V
2250	4822 051 10102	1K 2% 0,25W
2252	4822 121 42408	220nF 5% 63V
2253	4822 126 11492	220nF 10% 50V
2254	4822 122 32927	220nF
2255	4822 124 41643	100µF 20% 16V
2257	4822 122 31947	100nF 20% 63V
2258	4822 122 31765	100pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2261	4822 122 31947	100nF 20% 63V
2268	4822 122 31947	100nF 20% 63V
2269	4822 122 32482	22pF 5% 63V
2270	4822 122 32863	22nF 80% 50V
2274	4822 122 32862	10nF 80% 50V
2301	5322 122 31647	1nF 10% 63V
2305	4822 126 10324	33pF 63V
2306	4822 122 31772	47pF 5% 50V
2307	4822 122 31971	10pF 10% 50V
2310	4822 122 31774	56pF 5% 50V
2311	4822 122 31765	100pF 5% 50V
2311	4822 122 31808	150pF 10% 50V
2312	4822 122 32863	22nF 80% 50V
2318	4822 121 42408	220nF 5% 63V
2324	4822 122 32863	22nF 80% 50V
2338	4822 122 31972	39pF 5% 50V
2338	4822 122 31772	47pF 5% 50V
2339	4822 122 31772	47pF 5% 50V
2342	4822 122 31972	39pF 5% 50V
2343	4822 122 31727	470pF 5% 63V
2344	4822 122 31775	680pF 5% 50V
2345	4822 122 31807	1200pF 5% 50V
2347	5322 122 31647	1nF 10% 63V
2353	4822 122 32862	10nF 80% 50V
2360	4822 124 40272	33µF 20% 16V
2361	4822 124 40849	330µF 20% 16V
2365	4822 122 31352	180pF 2% 100V
2366	4822 122 32863	22nF 80% 50V
2367	4822 122 32862	10nF 80% 50V
2368	4822 122 32862	10nF 80% 50V
2369	4822 122 31825	27pF 10% 50V
2371	4822 122 31825	27pF 10% 50V
2372	4822 122 31965	220pF 5% 63V
2373	4822 122 31965	220pF 5% 63V
2374	4822 122 32863	22nF 80% 50V
2375	4822 122 32863	22nF 80% 50V
2376	5322 122 31641	47nF 50V
2377	5322 121 42661	330nF 5% 63V
2378	4822 122 31947	100nF 20% 63V
2379	4822 125 50207	33pF trimmer
2380	4822 125 50207	33pF trimmer
2381	5322 121 42661	330nF 5% 63V
2382	5322 122 31647	1nF 10% 63V
2383	4822 122 32442	10nF 50V
2384	5322 122 31647	1nF 10% 63V
2385	4822 122 32442	10nF 50V
2386	4822 122 32862	10nF 80% 50V

⊣⊢

2387	4822 124 40435	10µF 20% 50V
2388	5322 122 33446	3,3nF 10% 63V
2390	4822 122 32863	22nF 80% 50V
2391	4822 122 32863	22nF 80% 50V
2392	4822 122 32863	22nF 80% 50V
2395	4822 122 32863	22nF 80% 50V
2396	4822 122 32863	22nF 80% 50V
2397	4822 122 32863	22nF 80% 50V
2398	4822 124 40435	10µF 20% 50V
2399	4822 124 41506	47µF 20% 16V
2400	4822 122 32863	22nF 80% 50V
2433	4822 122 32863	22nF 80% 50V
2434	5322 122 33446	3,3nF 10% 63V
2435	5322 122 33446	3,3nF 10% 63V
2436	4822 122 31961	68pF 5% 63V
2438	4822 122 32863	22nF 80% 50V
2440	4822 122 32863	22nF 80% 50V
2442	4822 122 32863	22nF 80% 50V
2445	4822 126 11804	330nF
2446	4822 126 11804	330nF
2447	4822 126 11804	330nF
2451	5322 121 42661	330nF 5% 63V
2452	4822 124 40242	1µF 20% 63V
2453	4822 122 31774	56pF 5% 50V
2454	4822 126 10324	33pF 63V
2455	4822 126 10324	33pF 63V
2456	4822 126 10324	33pF 63V
2476	4822 124 41577	4,7µF 20% 50V
2478	4822 122 31784	4,7nF 10% 50V
2479	4822 122 33105	56nF 10% 63V
2480	4822 124 40272	33µF 20% 16V
2600	4822 122 31947	100nF 20% 63V
2602	4822 122 31947	100nF 20% 63V
2604	4822 122 31947	100nF 20% 63V
2606	4822 122 31947	100nF 20% 63V
2608	4822 122 32927	220nF
2620	4822 122 33496	100nF 10% 63V
2620	4822 122 32927	220nF
2621	4822 122 33496	100nF 10% 63V
2622	4822 122 33496	100nF 10% 63V
2622	4822 122 32927	220nF
2623	4822 122 33496	100nF 10% 63V
2624	5322 122 31842	330pF 5% 63V
2626	4822 121 42408	220nF 5% 63V
2627	5322 124 41431	22µF 20% 35V
2628	5322 122 31842	330pF 5% 63V
2630	4822 122 32927	220nF
2632	5322 122 31842	330pF 5% 63V
2634	4822 121 42408	220nF 5% 63V
2636	5322 122 31842	330pF 5% 63V
2638	4822 121 42408	220nF 5% 63V
2640	5322 122 31842	330pF 5% 63V
2642	4822 122 32927	220nF
2644	5322 122 31842	330pF 5% 63V
2646	4822 122 32927	220nF
2658	4822 122 31961	68pF 5% 63V
2659	4822 122 31961	68pF 5% 63V
2660	5322 122 31647	1nF 10% 63V
2662	5322 122 31647	1nF 10% 63V
2664	4822 122 32153	1,8nF 10% 63V
2666	4822 122 32153	1,8nF 10% 63V
2680	4822 122 31947	100nF 20% 63V
2681	4822 122 32542	47nF 10% 63V
2682	4822 124 40195	150µF 20% 16V
2684	4822 121 51252	470nF 5% 63V
2686	4822 121 51252	470nF 5% 63V
2688	4822 122 31782	15nF 10% 50V
2690	4822 122 31782	15nF 10% 50V

Spare parts list / Stückliste / Liste

Small signal panel C D F H

⊣⊢

2692	4822 122 31981	33nF ±0,5pF 50V
2694	4822 122 31916	5,6nF 10% 63V
2696	4822 122 31981	33nF ±0,5pF 50V
2697	4822 122 31965	220pF 5% 63V
2698	4822 122 31916	5,6nF 10% 63V
2699	4822 122 31965	220pF 5% 63V
2700	4822 124 40242	1µF 20% 63V
2702	4822 124 40242	1µF 20% 63V
2704	4822 122 31644	2,2nF 10% 63V
2706	5322 124 41431	22µF 20% 35V
2707	4822 122 31784	4,7nF 10% 50V
2714	4822 122 32863	22nF 80% 50V
2716	4822 122 32597	6,8nF 10% 63V
2720	5322 124 41431	22µF 20% 35V
2721	4822 122 31784	4,7nF 10% 50V
2726	4822 122 31644	2,2nF 10% 63V
2727	4822 124 42362	33µF 20% 16V
2734	4822 122 32863	22nF 80% 50V
2736	4822 122 32597	6,8nF 10% 63V

-▭-

3100	4822 051 10102	1k 2% 0,25W
3101	4822 116 52175	100Ω 5% 0,5W
3103	4822 051 10101	100Ω 2% 0,25W
3104	4822 116 52175	100Ω 5% 0,5W
3105	4822 051 10101	100Ω 2% 0,25W
3113	4822 116 52175	100Ω 5% 0,5W
3114	4822 116 52175	100Ω 5% 0,5W
3115	4822 116 52175	100Ω 5% 0,5W
3116	4822 116 52175	100Ω 5% 0,5W
3117	4822 051 20222	2k2 5% 0,1W
3119	4822 051 20222	2k2 5% 0,1W
3120	4822 051 20222	2k2 5% 0,1W
3121	4822 051 10123	12k 2% 0,25W
3122	4822 051 10822	8k2 2% 0,25W
3123	4822 051 10822	8k2 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3125	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10101	100Ω 2% 0,25W
3127	4822 051 10101	100Ω 2% 0,25W
3128	4822 051 10471	470Ω 2% 0,25W
3129	4822 116 52175	100Ω 5% 0,5W
3131	4822 116 52175	100Ω 5% 0,5W
3132	4822 116 52175	100Ω 5% 0,5W
3133	4822 051 10151	150Ω 2% 0,25W
3134	4822 116 52175	100Ω 5% 0,5W
3135	4822 051 10101	100Ω 2% 0,25W
3136	4822 051 10101	100Ω 2% 0,25W
3137	4822 116 52183	16Ω 5% 0,5W
3138	4822 116 52175	100Ω 5% 0,5W
3139	4822 116 52175	100Ω 5% 0,5W
3140	4822 050 11002	1k 1% 0,4W
3141	4822 050 11002	1k 1% 0,4W
3142	4822 050 11002	1k 1% 0,4W
3143	4822 050 11002	1k 1% 0,4W
3144	4822 050 11002	1k 1% 0,4W
3145	4822 050 11002	1k 1% 0,4W
3146	4822 050 11002	1k 1% 0,4W
3148	4822 051 10473	47k 2% 0,25W
3149	4822 051 10473	47k 2% 0,25W
3150	4822 051 10473	47k 2% 0,25W
3151	4822 051 10562	5k6 2% 0,25W
3152	4822 051 10103	10k 2% 0,25W
3153	4822 051 10103	10k 2% 0,25W
3154	4822 051 10152	1k5 2% 0,25W

-▭-

3155	4822 051 10104	100k 2% 0,25W
3156	4822 051 10562	5k6 2% 0,25W
3157	4822 050 11002	1k 1% 0,4W
3158	4822 050 11002	1k 1% 0,4W
3159	4822 051 10103	10k 2% 0,25W
3160	4822 052 10758	7Ω5 5% 0,33W
3160	4822 052 10109	10Ω 5% 0,33W
3160	4822 116 81203	10Ω 5% 0,3W
3161	4822 051 10103	10k 2% 0,25W
3162	4822 052 10758	7Ω5 5% 0,33W
3163	4822 051 10223	22k 2% 0,25W
3164	4822 051 10101	100Ω 2% 0,25W
3165	4822 051 10101	100Ω 2% 0,25W
3166	4822 052 10228	2Ω2 5% 0,33W
3167	4822 051 10122	1k2 2% 0,25W
3168	5322 111 90282	2k4 2% 0,25W
3169	4822 050 11002	1k 1% 0,4W
3170	4822 116 82772	3Ω9 5% 0.3W
3171	4822 052 11511	510Ω 5% 0,5W
3172	4822 052 10229	22Ω 5% 0,33W
3175	4822 051 10153	15k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3177	4822 051 10103	10k 2% 0,25W
3178	4822 051 10223	22k 2% 0,25W
3180	4822 116 52224	470Ω 5% 0,5W
3181	4822 051 10822	8k2 2% 0,25W
3182	4822 116 52214	200Ω 5% 0,5W
3183	4822 116 52233	10k 5% 0,5W
3184	4822 051 51201	120Ω 1% 0,125W
3185	4822 051 10471	470Ω 2% 0,25W
3186	4822 116 52256	2k2 5% 0,5W
3187	4822 051 10759	75Ω 2% 0,25W
3188	4822 051 20222	2k2 5% 0,1W
3189	4822 051 10223	22k 2% 0,25W
3190	4822 051 10823	82k 2% 0,25W
3191	4822 051 56203	62k 1% 0,125W
3192	4822 051 10153	15k 2% 0,25W
3193	4822 051 10331	330Ω 2% 0,25W
3194	4822 051 10331	330Ω 2% 0,25W
3196	4822 051 10473	47k 2% 0,25W
3197	4822 051 10473	47k 2% 0,25W
3200	4822 051 10472	4k7 2% 0,25W
3201	4822 051 10472	4k7 2% 0,25W
3205	4822 051 10759	75Ω 2% 0,25W
3206	4822 051 10759	75Ω 2% 0,25W
3207	4822 051 10759	75Ω 2% 0,25W
3208	4822 051 10101	100Ω 2% 0,25W
3209	4822 051 10101	100Ω 2% 0,25W
3210	4822 051 10101	100Ω 2% 0,25W
3211	4822 116 52217	270Ω 5% 0,5W
3215	4822 051 10689	68Ω 2% 0,25W
3216	4822 052 10159	15Ω 5% 0,33W
3217	4822 116 52224	470Ω 5% 0,5W
3218	4822 051 10471	470Ω 2% 0,25W
3219	4822 051 10471	470Ω 2% 0,25W
3220	4822 051 10471	470Ω 2% 0,25W
3222	4822 116 52217	270Ω 5% 0,5W
3224	4822 051 10759	75Ω 2% 0,25W
3225	4822 051 10471	470Ω 2% 0,25W
3232	4822 051 10102	1k 2% 0,25W
3233	4822 051 10102	1k 2% 0,25W
3234	4822 051 10759	75Ω 2% 0,25W
3235	4822 051 10759	75Ω 2% 0,25W
3237	4822 116 52217	270Ω 5% 0,5W
3238	4822 116 52222	390Ω 5% 0,5W
3239	4822 051 10271	270Ω 2% 0,25W
3240	4822 051 10759	75Ω 2% 0,25W

-▭-

3241	4822 051 10759	75Ω 2% 0,25W
3242	4822 116 52219	330Ω 5% 0,5W
3243	4822 051 10152	1k5 2% 0,25W
3244	4822 051 10102	1k 2% 0,25W
3245	4822 051 10474	470k 2% 0,25W
3246	4822 051 10331	330Ω 2% 0,25W
3247	4822 051 10102	1k 2% 0,25W
3248	4822 051 10681	680Ω 2% 0,25W
3249	4822 051 10102	1k 2% 0,25W
3251	4822 051 10759	75Ω 2% 0,25W
3252	4822 051 10759	75Ω 2% 0,25W
3253	4822 051 10561	560Ω 2% 0,25W
3253	4822 051 10331	330Ω 2% 0,25W
3254	4822 052 10159	15Ω 5% 0,33W
3255	4822 051 10821	820Ω 2% 0,25W
3259	4822 051 10103	10k 2% 0,25W
3260	4822 052 10159	15Ω 5% 0,33W
3261	4822 051 10471	470Ω 2% 0,25W
3262	4822 051 10103	10k 2% 0,25W
3263	4822 051 10689	68Ω 2% 0,25W
3264	4822 051 10471	470Ω 2% 0,25W
3265	4822 051 10103	10k 2% 0,25W
3266	4822 051 10103	10k 2% 0,25W
3267	4822 051 10103	10k 2% 0,25W
3268	4822 051 10101	100Ω 2% 0,25W
3269	4822 051 10561	560Ω 2% 0,25W
3270	4822 051 10472	4k7 2% 0,25W
3271	4822 051 10471	470Ω 2% 0,25W
3272	4822 116 52228	680Ω 5% 0,5W
3273	4822 051 10471	470Ω 2% 0,25W
3274	4822 051 10103	10k 2% 0,25W
3275	4822 051 10689	68Ω 2% 0,25W
3276	4822 051 10471	470Ω 2% 0,25W
3277	4822 051 10271	270Ω 2% 0,25W
3279	4822 051 10689	68Ω 2% 0,25W
3285	4822 051 10103	10k 2% 0,25W
3286	4822 051 10103	10k 2% 0,25W
3287	4822 051 10103	10k 2% 0,25W
3288	4822 051 10103	10k 2% 0,25W
3300	4822 051 10103	10k 2% 0,25W
3301	4822 051 10332	3k3 2% 0,25W
3303	4822 051 10361	360Ω 2% 0,25W
3304	4822 051 51201	120Ω 1% 0,125W
3304	4822 051 10101	100Ω 2% 0,25W
3305	4822 051 10104	100k 2% 0,25W
3306	4822 051 10221	220Ω 2% 0,25W
3306	4822 051 10241	240Ω 2% 0,25W
3310	4822 116 52207	1k2 5% 0,5W
3311	4822 051 10182	1k8 2% 0,25W
3312	4822 051 10511	510Ω 2% 0,25W
3313	4822 051 10362	3k6 2% 0,25W
3314	4822 051 10102	1k 2% 0,25W
3315	4822 051 10103	10k 2% 0,25W
3316	4822 051 10112	1k1 2% 0,25W
3317	4822 116 52233	10k 5% 0,5W
3324	4822 051 10223	22k 2% 0,25W
3325	4822 051 10682	6k8 2% 0,25W
3326	4822 051 10103	10k 2% 0,25W
3327	4822 051 10122	1k2 2% 0,25W
3329	4822 051 10392	3k9 2% 0,25W
3329	4822 051 10108	1Ω 5% 0,25W
3336	4822 051 10472	4k7 2% 0,25W
3338	4822 051 10391	390Ω 2% 0,25W
3339	4822 051 10153	15k 2% 0,25W
3339	4822 051 10391	390Ω 2% 0,25W
3342	4822 051 20222	2k2 5% 0,1W
3344	4822 051 10273	27k 2% 0,25W

Spare parts list / Stückliste / Liste

Small signal panel C D F H

3345	4822 051 10102	1k 2% 0,25W
3350	4822 051 51201	120Ω 1% 0,125W
3351	4822 051 10472	4k7 2% 0,25W
3353	4822 051 10332	3k3 2% 0,25W
3360	4822 052 10278	2Ω7 5% 0,33W
3361	4822 051 10102	1k 2% 0,25W
3369	4822 051 10331	330Ω 2% 0,25W
3370	4822 100 11391	330Ω 30% LIN
3371	4822 051 10431	430Ω 2% 0,25W
3372	4822 051 10331	330Ω 2% 0,25W
3375	4822 051 10008	0Ω 5% 0,25W
3376	4822 116 52286	5k1 5% 0,5W
3377	4822 051 10103	10k 2% 0,25W
3377	4822 051 10682	6k8 2% 0,25W
3380	4822 050 11002	1k 1% 0,4W
3382	4822 051 20222	2k2 5% 0,1W
3383	4822 051 10333	33k 2% 0,25W
3385	4822 051 10105	1M 5% 0,25W
3387	4822 050 11002	1k 1% 0,4W
3389	4822 051 10182	1k8 2% 0,25W
3390	4822 051 10821	820Ω 2% 0,25W
3391	4822 051 20222	2k2 5% 0,1W
3392	4822 051 10101	100Ω 2% 0,25W
3393	4822 051 10101	100Ω 2% 0,25W
3394	4822 051 10101	100Ω 2% 0,25W
3395	4822 051 10471	470Ω 2% 0,25W
3396	4822 051 20222	2k2 5% 0,1W
3397	4822 052 10249	24Ω 5% 0,33W
3398	4822 116 52175	100Ω 5% 0,5W
3399	4822 116 52175	100Ω 5% 0,5W
3410	4822 116 52224	470Ω 5% 0,5W
3425	4822 116 52224	470Ω 5% 0,5W
3426	4822 116 52224	470Ω 5% 0,5W
3450	4822 051 20222	2k2 5% 0,1W
3451	4822 051 10432	4k3 2% 0,25W
3453	4822 051 10511	510Ω 2% 0,25W
3454	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10101	100Ω 2% 0,25W
3456	4822 051 10101	100Ω 2% 0,25W
3465	4822 050 11002	1k 1% 0,4W
3471	4822 116 52233	10k 5% 0,5W
3472	4822 051 10682	6k8 2% 0,25W
3473	4822 051 10362	3k6 2% 0,25W
3474	4822 051 10101	100Ω 2% 0,25W
3475	4822 051 10124	120k 2% 0,25W
3476	4822 051 10154	150k 2% 0,25W
3477	4822 116 52286	5k1 5% 0,5W
3478	4822 116 52175	100Ω 5% 0,5W
3478	4822 116 52224	470Ω 5% 0,5W
3479	4822 051 10223	22k 2% 0,25W
3480	4822 052 10278	2Ω7 5% 0,33W
3481	4822 052 10278	2Ω7 5% 0,33W
3482	4822 116 52223	430Ω 5% 0,5W
3483	4822 116 52175	100Ω 5% 0,5W
3488	4822 051 20222	2k2 5% 0,1W
3492	4822 051 10471	470Ω 2% 0,25W
3590	4822 051 10101	100Ω 2% 0,25W
3600	4822 051 10362	3k6 2% 0,25W
3600	4822 051 10472	4k7 2% 0,25W
3602	4822 100 11212	2k2 30% LIN
3603	4822 051 10332	3k3 2% 0,25W
3604	4822 051 10182	1k8 2% 0,25W
3605	4822 051 10472	4k7 2% 0,25W
3606	4822 052 10279	27Ω 5% 0,33W
3607	4822 051 10302	3k 2% 0,25W
3608	4822 051 10101	100Ω 2% 0,25W
3610	4822 051 10101	100Ω 2% 0,25W
3612	4822 051 10102	1k 2% 0,25W
3620	4822 051 10183	18k 2% 0,25W
3622	4822 051 10183	18k 2% 0,25W
3624	4822 051 10102	1k 2% 0,25W
3626	4822 051 10183	18k 2% 0,25W
3628	4822 051 10102	1k 2% 0,25W
3630	4822 051 10183	18k 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3634	4822 051 10183	18k 2% 0,25W
3636	4822 051 10102	1k 2% 0,25W
3638	4822 051 10183	18k 2% 0,25W
3640	4822 051 10102	1k 2% 0,25W
3642	4822 051 10183	18k 2% 0,25W
3644	4822 051 10102	1k 2% 0,25W
3646	4822 051 10183	18k 2% 0,25W
3650	4822 051 10392	3k9 2% 0,25W
3651	4822 051 10123	12k 2% 0,25W
3652	4822 051 10392	3k9 2% 0,25W
3653	4822 051 10123	12k 2% 0,25W
3654	4822 116 52244	15k 5% 0,5W
3660	4822 051 10331	330Ω 2% 0,25W
3662	4822 051 10151	150Ω 2% 0,25W
3664	4822 051 10331	330Ω 2% 0,25W
3665	4822 052 10159	15Ω 5% 0,33W
3666	4822 051 10151	150Ω 2% 0,25W
3668	4822 051 10331	330Ω 2% 0,25W
3672	4822 051 10331	330Ω 2% 0,25W
3680	4822 052 10279	27Ω 5% 0,33W
3682	4822 051 10568	5Ω6 5% 0,25W
3684	4822 116 52175	100Ω 5% 0,5W
3686	4822 116 52175	100Ω 5% 0,5W
3700	4822 116 52263	2k7 5% 0,5W
3702	4822 051 10223	22k 2% 0,25W
3704	4822 051 10102	1k 2% 0,25W
3706	4822 052 10109	10Ω 5% 0,33W
3708	4822 051 10101	100Ω 2% 0,25W
3710	4822 051 20183	18k 5% 0,1W
3712	4822 116 52203	91Ω 5% 0,5W
3713	4822 116 52203	91Ω 5% 0,5W
3714	4822 051 10828	8Ω2 5% 0,25W
3720	4822 052 10109	10Ω 5% 0,33W
3722	4822 116 52263	2k7 5% 0,5W
3724	4822 051 10223	22k 2% 0,25W
3726	4822 051 10102	1k 2% 0,25W
3728	4822 051 10101	100Ω 2% 0,25W
3730	4822 051 20183	18k 5% 0,1W
3732	4822 116 52203	91Ω 5% 0,5W
3733	4822 116 52203	91Ω 5% 0,5W
3734	4822 051 10828	8Ω2 5% 0,25W
3998	4822 051 10151	150Ω 2% 0,25W
3998	4822 051 10181	180Ω 2% 0,25W
3998	4822 051 10221	220Ω 2% 0,25W
3998	4822 051 10332	3k3 2% 0,25W
3998	4822 051 10393	39k 2% 0,25W
3998	4822 051 10473	47k 2% 0,25W
3998	4822 051 10563	56k 2% 0,25W
3998	4822 051 10333	33k 2% 0,25W

Jumpers

4066	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4110	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W

Jumpers

4112	4822 051 10008	0Ω 5% 0,25W
4114	4822 051 10008	0Ω 5% 0,25W
4115	4822 051 10008	0Ω 5% 0,25W
4120	4822 051 10008	0Ω 5% 0,25W
4127	4822 051 10008	0Ω 5% 0,25W
4130	4822 051 10008	0Ω 5% 0,25W
4148	4822 051 10008	0Ω 5% 0,25W
4161	4822 051 10008	0Ω 5% 0,25W
4164	4822 051 20008	0Ω 5% 0,1W
4164	4822 051 10008	0Ω 5% 0,25W
4166	4822 051 10008	0Ω 5% 0,25W
4170	4822 051 10008	0Ω 5% 0,25W
4171	4822 051 10008	0Ω 5% 0,25W
4184	4822 051 10008	0Ω 5% 0,25W
4200	4822 051 10008	0Ω 5% 0,25W
4201	4822 051 10008	0Ω 5% 0,25W
4203	4822 051 10008	0Ω 5% 0,25W
4205	4822 051 10008	0Ω 5% 0,25W
4210	4822 051 10008	0Ω 5% 0,25W
4220	4822 051 10008	0Ω 5% 0,25W
4234	4822 051 10008	0Ω 5% 0,25W
4237	4822 051 10008	0Ω 5% 0,25W
4241	4822 051 10008	0Ω 5% 0,25W
4246	4822 051 10008	0Ω 5% 0,25W
4255	4822 051 10008	0Ω 5% 0,25W
4280	4822 051 10008	0Ω 5% 0,25W
4300	4822 051 10008	0Ω 5% 0,25W
4302	4822 051 10008	0Ω 5% 0,25W
4319	4822 051 10008	0Ω 5% 0,25W
4320	4822 051 10008	0Ω 5% 0,25W
4321	4822 051 10008	0Ω 5% 0,25W
4330	4822 051 10008	0Ω 5% 0,25W
4331	4822 051 10008	0Ω 5% 0,25W
4346	4822 051 10008	0Ω 5% 0,25W
4360	4822 051 10008	0Ω 5% 0,25W
4361	4822 051 10008	0Ω 5% 0,25W
4376	4822 051 10008	0Ω 5% 0,25W
4377	4822 051 10008	0Ω 5% 0,25W
4386	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4440	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4453	4822 051 10008	0Ω 5% 0,25W
4454	4822 051 10008	0Ω 5% 0,25W
4460	4822 051 10008	0Ω 5% 0,25W
4498	4822 051 10008	0Ω 5% 0,25W
4600	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W
4672	4822 051 10008	0Ω 5% 0,25W
4673	4822 051 10008	0Ω 5% 0,25W

5100	4822 157 53906	47μH 10%
5115	4822 152 20677	10μH 10%
5270	4822 157 52983	22μH 10%
5303	4822 157 63065	0,68μH 20%
5304	4822 157 63065	0,68μH 20%
5305	4822 157 62823	26μH 6%
5310	4822 157 63245	82μH 10%
5345	4822 157 62822	4,5μH 6%
5346	4822 157 62823	26μH 6%
5370	4822 157 62824	7,5μH 6%
5403	4822 157 63065	0,68μH 20%
5403	4822 157 53302	1μH 20%
5404	4822 157 63065	0,68μH 20%
5404	4822 157 53302	1μH 20%
5454	4822 157 63065	0,68μH 20%

Small

5455
5456

6117
6120
6121
6163
6165
6166
6168
6172
6173
6178
6205
6206
6207
6256
6257
6280
6281
6342
6343
6386
6387
6450
6465
6478
6479
6480
6610
6660
6661
6662
6663
6664
6665

7119
7120
7121
7365
7130
7137
7175
7176
7177
7178
7182
7183
7186
7188
7193
7193
7216
7219
7243
7244
7258
7260
7261
7265
7268
7270

Spare parts list / Stückliste / Liste

Small signal panel C D F H

5456	4822 157 63065	0,68µH 20%
5456	4822 157 63065	0,68µH 20%

6117	4822 130 80906	LLZ-F7V5
6120	4822 130 80446	LL4148
6121	4822 130 80446	LL4148
6163	4822 130 81226	LLZ-F33
6165	4822 130 80446	BAS32L
6166	4822 130 80446	BAS32L
6168	4822 130 80446	LL4148
6172	4822 130 80906	LLZ-C7V5
6173	4822 130 80446	LL4148
6178	4822 130 81222	LLZ-C15
6205	4822 130 80446	BAS32L
6206	4822 130 80446	BAS32L
6207	4822 130 80446	BAS32L
6256	4822 130 80446	BAS32L
6257	4822 130 80446	BAS32L
6280	4822 130 80446	LL4148
6281	4822 130 80446	LL4148
6342	4822 130 80888	BA682
6343	4822 130 80888	BA682
6386	4822 130 80446	LL4148
6387	4822 130 80954	LLZ-C5V6
6450	4822 130 81512	LLZ-C6V2
6465	4822 130 80446	LL4148
6478	4822 130 82345	LLZ-C22
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6610	4822 130 30621	1N4148
6660	4822 130 80446	LL4148
6661	4822 130 81223	LLZ-C2V4
6662	4822 130 80446	LL4148
6663	4822 130 81223	LLZ-C2V4
6664	4822 130 80446	LL4148
6665	4822 130 80446	LL4148

7119	5322 130 41982	BC848B
7120	5322 130 41982	BC848B
7121	4822 130 42513	BC858C
7365	4822 209 30837	TDA4650/V4/S1
7130	5322 130 42136	BC848C
7137	4822 209 71521	X2404
7175	5322 209 10883	PCF8574P
7176	4822 130 42513	BC858C
7177	4822 130 42513	BC858C
7178	5322 130 41982	BC848B
7182	5322 130 44743	BSR12
7183	5322 130 41982	BC848B
7186	4822 209 73852	PMBT2369
7188	4822 130 60511	BC847B
7193	4822 209 83163	LM833N
7193	4822 209 61115	LF353N
7216	4822 130 42615	BC817-40
7219	4822 209 63292	TEA6414
7243	5322 130 41983	BC858B
7244	5322 130 41982	BC848B
7258	5322 209 10421	HEF4094BP
7260	4822 130 42615	BC817-40
7261	5322 130 42136	BC848C
7265	5322 130 41982	BC848B
7268	4822 130 42615	BC817-40
7270	5322 130 41982	BC848B
7273	4822 130 42615	BC817-40
7305	5322 130 41983	BC858B
7311	5322 130 41982	BC848B
7312	5322 130 42136	BC848C
7313	4822 130 42513	BC858C
7314	5322 130 42136	BC848C
7315	5322 130 42136	BC848C
7324	4822 209 63901	TDA4568/V2
7326	5322 130 42136	BC848C
7338	5322 130 41982	BC848B
7350	5322 130 41982	BC848B
7360	4822 130 42615	BC817-40
7364	4822 209 30389	TDA4510/V8
7365	4822 209 30837	TDA4650/V4/S1
7366	4822 209 63108	TDA4660/V2
7390	4822 130 42513	BC858C
7395	4822 209 30394	TDA8443B/C1
7410	4822 209 73852	PMBT2369
7430	4822 209 63733	TDA4680/V5
7450	5322 130 42136	BC848C
7450	5322 130 42755	BC847C
7451	5322 130 42136	BC848C
7451	5322 130 42755	BC847C
7471	5322 130 42136	BC848C
7480	5322 130 44921	BD943
7492	5322 130 42136	BC848C
7600	4822 209 63967	TDA8417/V2
7620	4822 209 10263	4052B
7622	4822 209 10263	4052B
7630	4822 209 83163	LM833N
7635	4822 209 83163	LM833N
7660	5322 130 41982	BC848B
7661	5322 130 41982	BC848B
7662	5322 130 41982	BC848B
7680	4822 209 63734	TDA8425/V7
7704	4822 209 83163	LM833N
7706	5322 130 41982	BC848B
7708	5322 130 41983	BC858B
7730	5322 130 41982	BC848B
7732	5322 130 41983	BC858B

Spare parts list / Stückliste / Liste

High end-box L M

Connectors

	4822 267 70257	IC socket 48P
	4822 255 40901	IC socket 40P
	4822 267 60252	IC socket 24P
	4822 267 50885	IC socket 16P
	4822 265 40472	10p gold plated

Various

1100	4822 242 72572	crystal 12MHz
1200	4822 242 71417	cryst. 13,875MHz

—||—

2100	4822 122 32999	2,2nF 5% 63V
2101	4822 122 32999	2,2nF 5% 63V
2102	4822 122 31825	27pF 10% 50V
2103	4822 122 31825	27pF 10% 50V
2104	4822 124 40435	10μF 20% 50V
2105	4822 122 33496	100nF 10% 63V
2106	4822 122 33498	2,7nF 10% 63V
2107	4822 124 41715	220μF 20% 6,3V
2108	4822 124 41506	47μF 20% 16V
2109	4822 122 31965	220pF 5% 63V
2110	4822 122 31965	220pF 5% 63V
2111	5322 122 31842	330pF 5% 63V
2112	4822 122 33496	100nF 10% 63V
2113	5322 122 32163	5,6pF 5% 100V
2114	4822 122 33496	100nF 10% 63V
2115	4822 122 31965	220pF 5% 63V
2116	4822 122 31965	220pF 5% 63V
2117	5322 122 31842	330pF 5% 63V
2118	4822 122 31981	33nF ±0,5pF 50V
2119	4822 126 11492	220nF 10% 50V
2120	4822 122 31797	22nF 10% 63V
2121	4822 122 31797	22nF 10% 63V
2123	4822 122 33496	100nF 10% 63V
2124	4822 122 33496	100nF 10% 63V
2125	4822 122 31971	10pF 10% 50V
2126	4822 122 33496	100nF 10% 63V
2127	4822 122 33496	100nF 10% 63V
2128	4822 122 33496	100nF 10% 63V
2130	4822 122 31765	100pF 5% 50V
2131	4822 122 31765	100pF 5% 50V
2133	4822 122 31765	100pF 5% 50V
2134	4822 122 31746	1000pF 5% 50V
2135	4822 122 31772	47pF 5% 50V
2136	4822 122 31746	1000pF 5% 50V
2137	4822 122 32504	15pF 5% 50V
2138	4822 122 31971	10pF 10% 50V
2139	4822 122 31772	47pF 5% 50V
2140	4822 122 31772	47pF 5% 50V
2141	4822 122 31772	47pF 5% 50V
2142	4822 122 31772	47pF 5% 50V
2143	4822 122 31772	47pF 5% 50V
2144	4822 122 31772	47pF 5% 50V
2146	4822 122 31746	1000pF 5% 50V
2147	4822 122 32507	6,8pF 5% 50V
2148	4822 122 31965	220pF 5% 63V
2149	4822 122 31965	220pF 5% 63V
2150	5322 121 42661	330nF 5% 63V
2151	4822 122 31971	10pF 10% 50V
2152	4822 122 31774	56pF 5% 50V
2153	4822 126 11492	220nF 10% 50V
2154	4822 122 33496	100nF 10% 63V
2155	4822 122 31972	39pF 5% 50V
2156	4822 122 31808	150pF 10% 50V
2157	4822 122 31808	150pF 10% 50V

—||—

2158	4822 122 33496	100nF 10% 63V
2159	4822 122 32444	33pF 5% 50V
2160	4822 122 31808	150pF 10% 50V
2161	4822 122 31808	150pF 10% 50V
2162	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2165	4822 122 31981	33nF +-0,5pF 50V
2166	4822 122 31772	47pF 5% 50V
2167	4822 122 31772	47pF 5% 50V
2168	4822 122 31772	47pF 5% 50V
2169	4822 124 41643	100μF 20% 16V
2170	4822 122 33496	100nF 10% 63V
2172	4822 122 33496	100nF 10% 63V
2173	4822 122 33496	100nF 10% 63V
2174	4822 122 33496	100nF 10% 63V
2175	4822 122 33496	100nF 10% 63V
2176	4822 122 33496	100nF 10% 63V
2177	4822 122 33496	100nF 10% 63V
2178	4822 122 33496	100nF 10% 63V
2179	4822 122 31768	180pF 5% 50V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 33496	100nF 10% 63V
2182	4822 122 33496	100nF 10% 63V
2183	4822 122 33496	100nF 10% 63V
2184	4822 122 31772	47pF 5% 50V
2185	4822 122 31772	47pF 5% 50V
2186	4822 122 32082	4,7pF 5% 50V
2187	4822 124 41715	220μF 20% 6,3V
2188	4822 122 32999	2,2nF 5% 63V
2198	4822 122 31971	10pF 10% 50V
2199	4822 122 31772	47pF 5% 50V
2200	4822 124 41643	100μF 20% 16V
2201	5322 122 31842	330pF 5% 63V
2202	4822 124 41576	2,2μF 20% 50V
2203	4822 122 31825	27pF 10% 50V
2204	4822 122 32442	10nF 50V
2205	4822 122 32442	10nF 50V
2206	4822 122 32504	15pF 5% 50V
2207	4822 122 31765	100pF 5% 50V
2208	4822 122 32142	270pF 5% 63V
2209	4822 122 31797	22nF 10% 63V
2210	4822 122 31727	470pF 5% 63V
2211	5322 122 31647	1nF 10% 63V
2212	4822 122 32504	15pF 5% 50V
2215	4822 124 41576	2,2μF 20% 50V
2216	4822 122 33496	100nF 10% 63V
2217	4822 124 41576	2,2μF 20% 50V
2218	4822 124 41596	22μF 20% 50V
2219	4822 122 33496	100nF 10% 63V
2220	4822 124 41577	4,7μF 20% 50V
2221	4822 122 33496	100nF 10% 63V
2222	4822 122 33496	100nF 10% 63V
2223	4822 124 41643	100μF 20% 16V
2224	4822 121 42937	2,7nF 1% 250V
2225	4822 122 31765	100pF 5% 50V
2227	4822 124 40435	10μF 20% 50V
2228	4822 122 32142	270pF 5% 63V
2229	4822 122 33496	100nF 10% 63V
2230	4822 122 32142	270pF 5% 63V
2233	4822 122 31765	100pF 5% 50V
2235	4822 122 33498	2,7nF 10% 63V
2236	4822 122 32891	68nF 10% 63V
2237	4822 122 33496	100nF 10% 63V
2250	4822 122 33496	100nF 10% 63V
2251	4822 124 41554	220μF 20% 10V
2252	4822 122 33496	100nF 10% 63V

—||—

2253	4822 121 51252	470nF 5% 63V
2254	4822 121 51252	470nF 5% 63V
2255	4822 122 33496	100nF 10% 63V
2256	4822 122 31965	220pF 5% 63V
2257	4822 122 31965	220pF 5% 63V
2258	4822 122 31769	18pF 5% 50V
2259	4822 122 31774	56pF 5% 50V
2260	4822 122 31774	56pF 5% 50V
2261	4822 122 33496	100nF 10% 63V
2262	4822 124 41643	100μF 20% 16V
2265	4822 124 41643	100μF 20% 16V
2266	4822 126 11725	1μF 20% 50V
2268	4822 124 41997	470μF 10V
2269	4822 122 33496	100nF 10% 63V
2270	4822 122 33496	100nF 10% 63V
2271	4822 122 33496	100nF 10% 63V
2272	4822 122 33496	100nF 10% 63V
2273	4822 124 40731	330μF 20% 6,3V
2274	4822 124 41506	47μF 20% 16V
2275	4822 122 33496	100nF 10% 63V
2276	4822 122 33496	100nF 10% 63V
2277	4822 124 41506	47μF 20% 16V
2286	4822 122 31765	100pF 5% 50V
2287	4822 122 31765	100pF 5% 50V
2289	5322 122 32269	6,8pF 5% 50V
2291	5322 122 32269	6,8pF 5% 50V
2292	4822 124 41643	100μF 20% 16V
2293	5322 122 32269	6,8pF 5% 50V
2294	4822 122 31769	18pF 5% 50V
2295	5322 122 32269	6,8pF 5% 50V
2296	4822 122 31769	18pF 5% 50V
2297	5322 122 32269	6,8pF 5% 50V
2298	4822 122 31769	18pF 5% 50V
2299	5322 122 32269	6,8pF 5% 50V
2301	4822 122 33496	100nF 10% 63V
2302	4822 122 33496	100nF 10% 63V
2303	4822 122 33496	100nF 10% 63V
2304	4822 122 32442	10nF 50V
2305	4822 122 32442	10nF 50V
2306	4822 122 32442	10nF 50V
2307	4822 122 33496	100nF 10% 63V
2308	4822 122 33496	100nF 10% 63V
2309	4822 122 33496	100nF 10% 63V
2310	4822 124 41997	470μF 20% 10V
2311	4822 124 41506	47μF 20% 16V
2312	4822 122 31769	18pF 5% 50V

—▭—

3000	4822 116 52186	22Ω 5% 0,5W
3000	4822 116 52188	27Ω 5% 0,5W
3001	4822 051 10102	1k 2% 0,25W
3001	4822 051 10122	1k2 2% 0,25W
3100	4822 051 20222	2k2 5% 0,1W
3101	4822 051 20222	2k2 5% 0,1W
3102	4822 051 10473	47k 2% 0,25W
3103	4822 051 10473	47k 2% 0,25W
3104	4822 051 10181	180Ω 2% 0,25W
3106	4822 051 10752	7k5 2% 0,25W
3107	4822 051 10562	5k6 2% 0,25W
3108	4822 051 10331	330Ω 2% 0,25W
3109	4822 051 10152	1k5 2% 0,25W
3110	4822 051 10102	1k 2% 0,25W
3111	4822 051 10473	47k 2% 0,25W
3112	4822 051 10103	10k 2% 0,25W
3113	4822 051 10109	10Ω 2% 0,25W
3114	4822 051 10104	100k 2% 0,25W
3119	4822 051 10152	1k5 2% 0,25W

High end-box L M

3120	4822 051 10332	3k3 2% 0,25W
3121	4822 051 10472	4k7 2% 0,25W
3122	4822 051 10473	47k 2% 0,25W
3123	4822 051 10122	1k2 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10272	2k7 2% 0,25W
3127	4822 051 10221	220Ω 2% 0,25W
3131	4822 051 10109	10Ω 2% 0,25W
3132	4822 051 10152	1k5 2% 0,25W
3133	4822 051 10101	100Ω 2% 0,25W
3134	4822 051 10221	220Ω 2% 0,25W
3135	4822 051 10272	2k7 2% 0,25W
3136	4822 116 81193	15Ω 5% 0,3W
3137	4822 051 10223	22k 2% 0,25W
3138	4822 051 10124	120k 2% 0,25W
3139	4822 051 10101	100Ω 2% 0,25W
3140	4822 051 10224	220k 2% 0,25W
3141	4822 051 10223	22k 2% 0,25W
3142	4822 051 10104	100k 2% 0,25W
3143	4822 051 10104	100k 2% 0,25W
3144	4822 051 10272	2k7 2% 0,25W
3145	4822 051 10759	75Ω 2% 0,25W
3146	4822 051 20222	2k2 5% 0,1W
3147	4822 051 10279	27Ω 2% 0,25W
3148	4822 051 10479	47Ω 2% 0,25W
3151	4822 051 10102	1k 2% 0,25W
3152	4822 051 10621	620Ω 2% 0,25W
3153	4822 051 10122	1k2 2% 0,25W
3155	4822 051 10271	270Ω 2% 0,25W
3156	4822 051 10102	1k 2% 0,25W
3157	4822 051 10151	150Ω 2% 0,25W
3158	4822 051 10331	330Ω 2% 0,25W
3159	4822 051 20222	2k2 5% 0,1W
3160	4822 051 10241	240Ω 2% 0,25W
3161	4822 051 10221	220Ω 2% 0,25W
3162	4822 051 10102	1k 2% 0,25W
3163	4822 051 10332	3k3 2% 0,25W
3164	4822 051 20222	2k2 5% 0,1W
3165	4822 051 10332	3k3 2% 0,25W
3166	4822 051 20222	2k2 5% 0,1W
3168	4822 051 10221	220Ω 2% 0,25W
3169	4822 051 10105	1M 5% 0,25W
3170	4822 051 10102	1k 2% 0,25W
3171	4822 051 10102	1k 2% 0,25W
3172	4822 051 51102	1k1 1% 0,125W
3173	4822 051 10102	1k 2% 0,25W
3174	4822 051 10102	1k 2% 0,25W
3175	4822 051 10683	68k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3198	4822 051 10008	0Ω 5% 0,25W
3200	4822 111 41423	18Ω 5% 0,3W
3202	4822 051 10101	100Ω 2% 0,25W
3203	4822 051 10101	100Ω 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3205	4822 051 10102	1k 2% 0,25W
3206	4822 051 10332	3k3 2% 0,25W
3207	4822 051 10104	100k 2% 0,25W
3208	4822 051 10102	1k 2% 0,25W
3209	4822 051 10562	5k6 2% 0,25W
3210	4822 111 41424	22Ω 5% 0,3W
3211	4822 051 10229	22Ω 2% 0,25W
3212	4822 051 10122	1k2 2% 0,25W
3213	4822 051 10561	560Ω 2% 0,25W
3214	4822 051 10303	30k 2% 0,25W
3215	4822 051 10102	1k 2% 0,25W
3216	4822 051 10562	5k6 2% 0,25W
3217	4822 051 10101	100Ω 2% 0,25W
3218	4822 051 10155	1M5 5% 0,25W
3220	4822 051 10473	47k 2% 0,25W
3221	4822 051 10181	180Ω 2% 0,25W
3222	4822 051 10683	68k 2% 0,25W
3223	4822 051 10102	1k 2% 0,25W
3224	4822 051 20222	2k2 5% 0,1W
3225	4822 051 10221	220Ω 2% 0,25W
3226	4822 051 10681	680Ω 2% 0,25W
3227	4822 051 10221	220Ω 2% 0,25W
3228	4822 100 11483	10k 30% LIN
3230	4822 051 10562	5k6 2% 0,25W
3231	4822 051 20222	2k2 5% 0,1W
3232	4822 051 10102	1k 2% 0,25W
3251	4822 051 10393	39k 2% 0,25W
3252	4822 051 10751	750Ω 2% 0,25W
3253	4822 051 10751	750Ω 2% 0,25W
3254	4822 051 10221	220Ω 2% 0,25W
3255	4822 051 10471	470Ω 2% 0,25W
3256	4822 051 10681	680Ω 2% 0,25W
3260	4822 051 10822	8k2 2% 0,25W
3261	4822 051 10472	4k7 2% 0,25W
3262	4822 111 41424	22Ω 5% 0,3W
3274	4822 051 10223	22k 2% 0,25W
3275	4822 051 10102	1k 2% 0,25W
3276	4822 051 10392	3k9 2% 0,25W
3279	4822 051 10122	1k2 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3281	4822 051 20222	2k2 5% 0,1W
3290	4822 051 10561	560Ω 2% 0,25W
3291	4822 051 10561	560Ω 2% 0,25W
3292	4822 051 10561	560Ω 2% 0,25W
3293	4822 051 10561	560Ω 2% 0,25W
3296	4822 051 55601	560Ω 1% 0,25W
3297	4822 051 52611	261Ω 1% 0,25W
3298	4822 051 10102	1k 2% 0,25W
3299	4822 051 10102	1k 2% 0,25W
3301	4822 051 10339	33Ω 2% 0,25W
3302	4822 051 10339	33Ω 2% 0,25W
3303	4822 051 10339	33Ω 2% 0,25W
3304	4822 051 10109	10Ω 2% 0,25W
3310	4822 051 10912	9k1 2% 0,25W
3320	4822 051 10008	0Ω 5% 0,25W
3321	4822 051 10008	0Ω 5% 0,25W
3322	4822 051 10008	0Ω 5% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W

5040	4822 157 52983	22μH 10%
5041	4822 157 52983	22μH 10%
5100	4822 157 63246	6μH
5101	4822 157 63247	1,4μH
5102	4822 157 52403	3,3μH 10%
5103	4822 157 60147	2,2μH
5104	4822 157 60147	2,2μH
5105	4822 157 60147	2,2μH
5106	4822 157 60147	2,2μH
5107	4822 157 60147	2,2μH
5108	4822 157 60147	2,2μH
5109	4822 157 60147	2,2μH
5150	4822 157 52224	15μH 10%
5151	4822 157 60498	56μH 10%
5152	4822 157 60498	56μH 10%
5201	4822 157 52224	15μH 10%
5202	4822 157 52138	27μH 10%
5251	4822 157 60147	2,2μH
5252	4822 157 60147	2,2μH

6102	5322 130 80119	BBY40
6103	5322 130 80119	BBY40
6150	4822 130 82914	DIODE
6160	4822 130 80446	LL4148
6200	4822 130 80884	LLZ-C5V1
6201	4822 130 31253	BZX55-C2V4
6202	4822 130 80446	LL4148
6250	4822 130 33706	BZX84-B5V1
6251	4822 130 80446	LL4148

7100	4822 130 61207	BC848
7101	5322 130 42136	BC848C
7103	5322 130 42012	BC858
7104	4822 130 61207	BC848
7105	5322 130 42012	BC858
7106	4822 130 61207	BC848
7107	4822 130 61207	BC848
7108	4822 130 40938	BC548
7109	5322 130 42012	BC858
7110	5322 130 42012	BC858
7111	4822 130 61207	BC848
7112	5322 130 42012	BC858
7113	5322 130 42012	BC858
7116	4822 130 42131	BF550
7117	4822 130 42131	BF550
7119	5322 130 42136	BC848C
7120	5322 130 42136	BC848C
7121	5322 130 42136	BC848C
7122	5322 130 42136	BC848C
7123	4822 130 42513	BC858C
7124	5322 130 42136	BC848C
7125	5322 130 42136	BC848C
7156	4822 130 61207	BC848
7157	4822 130 61207	BC848
7159	4822 130 61207	BC848
7160	5322 130 42012	BC858
7170	4822 130 42513	BC858C
7200	4822 209 63645	SAA5231/V7
7201	4822 209 63902	SAA9042P/A
7202	4822 209 63893	LH2464-10
7203	4822 209 63423	TDA2579B/N2
7204	4822 209 30868	PCF80C518H-3P
7205	4822 209 63892	UPD91237C
7206	4822 209 82341	PC74HCT04P
7207	4822 209 82341	PC74HCT04P
7209	4822 209 83163	LM833N
7210	4822 209 63894	PC74HCT4066P
7211	4822 209 30913	TDA8703/C4
7212	4822 209 30913	TDA8703/C4
7213	4822 209 30913	TDA8703/C4
7214	5322 209 11588	PC74HCT195P
7215	5322 209 11588	PC74HCT195P
7216	5322 209 11588	PC74HCT195P
7217	5322 209 11588	PC74HCT195P
7218	4822 209 72042	MC78L05ACP
7250	4822 209 60525	TMS4C1050-3N
7251	4822 209 60525	TMS4C1050-3N
7252	4822 209 60525	TMS4C1050-3N
7253	4822 209 63891	SDA9060
7254	4822 209 63897	TDA4563/V5

Spare parts list / Stückliste / Liste

PIP panel J

Connectors

	4822 265 40503	5P female gold
	4822 265 40472	10P female gold
	4822 265 30828	5P male
	4822 265 30899	5P
	4822 265 20509	2P grey
	4822 265 20511	2P blue

Various parts

1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867MHz
1212	4822 242 70736	crystal 7,159MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962

⊣⊢

2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8μF 20% 50V
2232	4822 124 41678	22μF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8μF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
2345	4822 124 41506	47μF 20% 16V
2350	4822 124 40849	330μF 20% 16V
2351	4822 124 41643	100μF 20% 16V
2380	4822 122 32927	220nF
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF
2397	4822 122 32927	220nF

⊣⊢

2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1μF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470μF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10μF 20% 50V
2604	4822 124 40195	150μF 20% 16V
2614	4822 124 41506	47μF 20% 16V
2615	4822 124 41576	2,2μF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330μF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF

-▭-

3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 2% 0,25W

-▭-

3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

PIP pa

-▭-

3600
3601
3602
3603
3604
3605
3610
3611
3612
3613
3614
3615
3616
3617
3618
3619
3620
3621
3622
3624
3625
3630
3631
3632
3633
3634
3635
3636
3637
3638
3997

Jumpers

4001
4002
4003
4005
4007
4009
4011
4012
4013
4014
4015
4016
4017
4018
4019
4020
4021
4022
4024
4025
4026
4027
4028
4029
4046
4048
4049
4403
4404
4410
4415
4417
4418
4419

PIP panel J

−▭−

3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W

Jumpers

4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

⌒⌒

5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%

→|−

6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148

⊗ ▭

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

Spare parts list / Stückliste / Liste

Picture tube panel E

Connectors

	4822 265 20509	2P male grey
	4822 265 40596	2P male
	4822 267 40985	6P male black
	4822 290 40295	7P male grey

Various parts

	4822 492 70788	spring fix IC
	4822 255 70261	picture tube socket
1030	4822 212 23711	PTP 25"-28"
1030	4822 212 23953	PIP 33"

-||-

2700	4822 122 33496	100nF 10% 63V
2701	4822 122 32507	6,8pF 5% 50V
2703	4822 122 33125	180pF 10% 63V
2704	4822 124 42182	3,3µF 20% 250V
2705	4822 124 40272	33µF 20% 16V
2706	4822 122 31797	22nF 10% 63V
2707	4822 121 51562	33nF 10% 1600V
2708	5322 122 31842	330pF 5% 63V
2709	4822 122 31825	27pF 10% 50V
2710	4822 122 31774	56pF 5% 50V
2711	4822 122 32507	6,8pF 5% 50V
2712	4822 126 11175	22pF 5% 50V
2713	4822 121 41156	68nF 10% 250V
2715	4822 121 41156	68nF 10% 250V
2716	4822 122 31797	22nF 10% 63V
2717	4822 121 41156	68nF 10% 250V
2720	4822 122 31774	56pF 5% 50V
2721	4822 122 32507	6,8pF 5% 50V
2726	4822 122 31797	22nF 10% 63V
2730	4822 122 31774	56pF 5% 50V
2731	5322 122 31647	1nF 10% 63V
2741	5322 122 31647	1nF 10% 63V
2751	5322 122 31647	1nF 10% 63V
2760	4822 122 31174	2,7nF 10% 500V

-▭-

3537	4822 052 11128	1Ω2 5% 0,5W
3700	4822 051 10182	1k8 2% 0,25W
3701	4822 051 10101	100Ω 2% 0,25W
3702	4822 051 10102	1k 2% 0,25W
3704	4822 051 10272	2k7 2% 0,25W
3705	4822 051 10332	3k3 2% 0,25W
3706	4822 050 21504	150k 1% 0,6W
3708	4822 111 50518	1k5 5% 0,5W
3710	4822 051 10008	0Ω 5% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W
3712	4822 051 10272	2k7 2% 0,25W
3714	4822 051 10272	2k7 2% 0,25W
3715	4822 051 10332	3k3 2% 0,25W
3716	4822 050 21504	150k 1% 0,6W
3718	4822 111 50518	1k5 5% 0,5W
3719	4822 051 10008	0Ω 5% 0,25W
3720	4822 051 10823	82k 2% 0,25W
3721	4822 051 10101	100Ω 2% 0,25W
3724	4822 051 10272	2k7 2% 0,25W
3725	4822 051 10332	3k3 2% 0,25W
3726	4822 050 21204	120k 1% 0,6W
3727	4822 111 50518	1k5 5% 0,5W
3728	4822 111 50518	1k5 5% 0,5W
3730	4822 111 50518	1k5 5% 0,5W
3731	4822 052 10279	27Ω 5% 0,33W
3733	4822 052 10189	18Ω 5% 0,33W
3734	4822 051 10114	110k 2% 0,25W
3735	4822 051 10103	10k 2% 0,25W
3736	4822 051 10333	33k 2% 0,25W
3737	4822 051 10203	20k 2% 0,25W
3738	4822 116 52304	82k 5% 0,5W
3739	4822 116 52188	27Ω 5% 0,5W
3739	4822 116 52193	39Ω 5% 0,5W
3740	4822 051 10114	110k 2% 0,25W
3741	4822 051 10124	120k 2% 0,25W
3742	4822 051 10333	33k 2% 0,25W
3743	4822 051 10333	33k 2% 0,25W
3761	4822 051 10152	1k5 2% 0,25W
3761	4822 051 10332	3k3 2% 0,25W

Jumpers

4701	4822 051 10008	0Ω 5% 0,25W
4702	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4709	4822 051 10008	0Ω 5% 0,25W
4714	4822 051 10008	0Ω 5% 0,25W
4743	4822 051 10008	0Ω 5% 0,25W

∿

5700	4822 157 60155	33µH 7,5%
5701	4822 157 60155	33µH 7,5%

-▶|-

6700	4822 130 80879	LLZ-C3V0
6701	4822 130 80877	BAV103
6702	4822 130 80877	BAV103
6703	4822 130 80877	BAV103
6704	4822 130 80877	BAV103
6705	4822 130 80877	BAV103
6706	4822 130 80877	BAV103
6707	4822 130 82345	LLZ-C22
6708	4822 130 30842	BAV21
6709	4822 130 30842	BAV21
6711	4822 130 30842	BAV21
6712	4822 130 80877	BAV103
6713	4822 130 80877	BAV103
6714	4822 130 32896	BYD33M
6715	4822 130 82969	BZD23-C24

⊗ ▭

7704	4822 130 60373	BC856B
7705	4822 209 63898	TDA6111Q/N1
7705	4822 209 30417	TDA6111Q/N2
7706	4822 209 63898	TDA6111Q/N1
7706	4822 209 30417	TDA6111Q/N2
7707	4822 209 63898	TDA6111Q/N1
7707	4822 209 30417	TDA6111Q/N2
7708	4822 130 41646	BF423
7709	4822 130 41646	BF423
7710	4822 130 41646	BF423

NICAM sound module K

Connectors

	4822 265 41087	9P male

Various parts

1001	4822 242 81128	cryst. 17.470MHz
1002	4822 242 72301	filter TH316BOM - 20800DAF
1002	4822 242 72303	filter TH316BQM
1003	4822 242 81126	cryst. 11.170MHz
1003	4822 242 81127	cryst. 13.100MHz
1106	4822 242 72303	filter TH316BQM
1600	4822 212 23907	NICAM PAL BG
1600	4822 212 23908	NICAM PAL I

⊣⊢

2000	4822 122 31947	100nF 20% 63V
2001	4822 124 40433	47µF 20% 25V
2002	4822 122 31797	22nF 10% 63V
2003	4822 122 31797	22nF 10% 63V
2004	4822 122 31768	180pF 5% 50V
2005	4822 122 31768	180pF 5% 50V
2006	5322 122 31842	330pF 5% 63V
2007	4822 122 32597	6,8nF 10% 63V
2008	4822 122 31808	150pF 10% 50V
2009	4822 122 32442	10nF 50V
2010	4822 122 31808	150pF 10% 50V
2011	4822 122 31766	120pF 5% 50V
2012	4822 121 41854	150nF 5% 63V
2013	4822 122 31746	1000pF 5% 50V
2014	4822 122 32442	10nF 50V
2015	4822 125 50045	20pF trim.
2016	4822 122 31961	68pF 5% 63V
2017	4822 121 42408	220nF 5% 63V
2018	4822 122 32442	10nF 50V
2019	4822 122 31797	22nF 10% 63V
2020	4822 124 40433	47µF 20% 25V
2021	4822 122 31782	15nF 10% 50V
2021	4822 122 32856	8,2nF 10% 63V
2022	4822 122 31981	33nF ±0,5pF 50V
2022	4822 122 31759	18nF
2023	4822 122 31981	33nF ±0,5pF 50V
2023	4822 122 31759	18nF
2024	4822 122 31782	15nF 10% 50V
2024	4822 122 32856	8,2nF 10% 63V
2025	4822 122 31797	22nF 10% 63V
2026	4822 124 40433	47µF 20% 25V
2027	4822 122 31773	560pF 5% 50V
2028	4822 126 10171	2,7nF 5% 50V
2029	4822 122 32999	2,2nF 5% 50V
2030	4822 122 32999	2,2nF 5% 50V
2031	4822 126 10171	2,7nF 5% 50V
2032	4822 122 31773	560pF 5% 50V
2033	4822 126 11492	220nF 10% 63V
2034	4822 126 11492	220nF 10% 63V
2035	4822 122 31746	1000pF 5% 50V
2036	4822 122 32442	10nF 50V
2037	4822 122 32442	10nF 50V
2038	4822 122 31797	22nF 10% 63V
2039	4822 126 11691	150nF 10% 63V
2040	4822 122 33669	150nF 20% 50V
2041	5322 122 31647	1nF 10% 63V
2042	4822 126 10183	330pF 10% 63V
2043	5322 122 31647	1nF 10% 63V
2044	5322 122 31647	1nF 10% 63V
2050	4822 124 40433	47µF 20% 25V

⊣⊢

2051	5322 122 31647	1nF 10% 63V
2245	5322 122 31647	1nF 10% 63V
2246	5322 122 31647	1nF 10% 63V

-▭-

3000	4822 051 10471	470Ω 2% 0,25W
3002	4822 051 10332	3k3 2% 0,25W
3003	4822 051 10332	3k3 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10823	82k 2% 0,25W
3007	4822 051 10223	22k 2% 0,25W
3008	4822 051 10223	22k 2% 0,25W
3009	4822 051 10392	3k9 2% 0,25W
3010	4822 051 10104	100k 2% 0,25W
3011	4822 051 10104	100k 2% 0,25W
3012	4822 053 20106	10M 5% 0,25W
3013	4822 051 10824	820k 2% 0,25W
3014	4822 051 10103	10k 2% 0,25W
3015	4822 051 10682	6k8 2% 0,25W
3015	4822 051 10123	12k 2% 0,25W
3016	4822 051 10122	1k2 2% 0,25W
3016	4822 051 20222	2k2 5% 0,1W
3017	4822 051 10122	1k2 2% 0,25W
3017	4822 051 20222	2k2 5% 0,1W
3018	4822 051 10682	6k8 2% 0,25W
3018	4822 051 10123	12k 2% 0,25W
3019	4822 051 10752	7k5 2% 0,25W
3019	4822 051 10562	5k6 2% 0,25W
3020	4822 051 10472	4k7 2% 0,25W
3021	4822 051 10472	4k7 2% 0,25W
3022	4822 051 10472	4k7 2% 0,25W
3023	4822 051 10472	4k7 2% 0,25W
3024	4822 051 10184	180k 2% 0,25W
3025	4822 051 10184	180k 2% 0,25W
3026	4822 051 10101	100Ω 2% 0,25W
3027	4822 051 10101	100Ω 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 052 10109	10Ω 5% 0,33W
3030	4822 051 10102	1k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10569	56Ω 2% 0,25W
3033	4822 051 20222	2k2 5% 0,1W
3034	4822 051 10431	430Ω 2% 0,25W
3035	4822 051 10241	240Ω 2% 0,25W
3036	4822 051 10102	1k 2% 0,25W
3037	4822 051 10159	15Ω 2% 0,25W
3049	4822 051 10223	22k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3099	4822 051 10101	100Ω 2% 0,25W
3099	4822 116 90536	120Ω 1% 0,125W

Jumpers

4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4052	4822 051 10008	0Ω 5% 0,25W
4053	4822 051 10008	0Ω 5% 0,25W
4054	4822 051 10008	0Ω 5% 0,25W
4055	4822 051 10008	0Ω 5% 0,25W
4100	4822 051 10008	0Ω 5% 0,25W

∿

5000	4822 157 50975	1mH 10%
5001	4822 157 50975	1mH 10%
5002	4822 157 51235	4,7µH 10%
5003	4822 157 51235	4,7µH 10%

▶|

6000	4822 130 30621	1N4148
6005	4822 209 30911	OF4076
6006	5322 130 31684	BB809
6050	4822 130 80446	LL4148

⊗ ▭

7000	4822 209 30909	TDA8732/C1
7001	4822 209 30914	SAA7280/M3
7002	4822 209 83163	LM833N
7003	4822 209 83163	LM833N
7004	5322 209 10576	4053B
7007	4822 209 73236	TDA1543/N2
7008	5322 130 42755	BC847C
7009	4822 130 60887	BF840
7050	5322 130 42136	BC848C

Spare parts list / Stückliste / Liste

Y/C detector I

Connectors

	4822 265 40503	5P female gold
	4822 265 30431	3P female gold

Various parts

1231	4822 242 80364	filter 4,43MHz

2225	4822 124 40196	220µF 20% 16V
2226	4822 122 32927	220nF
2228	4822 122 32927	220nF
2235	4822 122 31965	220pF 5% 63V
2236	4822 122 31772	47pF 5% 50V
2237	4822 122 32142	270pF 5% 63V
2238	4822 122 31768	180pF 5% 50V
2239	4822 122 31947	100nF 20% 63V
2244	4822 124 20722	1µF 10% 63V
2246	4822 122 31947	100nF 20% 63V
2247	4822 122 31766	120pF 5% 50V
2261	4822 124 20678	47µF 10% 10V
2262	4822 122 31808	150pF 10% 50V
2269	4822 124 20726	4,7µF 10% 63V

3200	4822 050 11002	1k 1% 0,4W
3201	4822 116 83006	2M7 5% 0,5W
3203	4822 051 10563	56k 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3212	4822 051 10751	750Ω 2% 0,25W
3213	4822 051 10008	0Ω 5% 0,25W
3213	4822 051 10153	15k 2% 0,25W
3214	4822 051 10153	15k 2% 0,25W
3221	4822 051 10472	4k7 2% 0,25W
3223	4822 116 52203	91Ω 5% 0,5W
3225	4822 116 52219	330Ω 5% 0,5W
3226	4822 116 52243	1k5 5% 0,5W
3227	4822 051 10112	1k1 2% 0,25W
3228	4822 051 10474	470k 2% 0,25W
3229	4822 051 10331	330Ω 2% 0,25W
3230	4822 051 10102	1k 2% 0,25W
3231	4822 051 10681	680Ω 2% 0,25W
3236	4822 051 10331	330Ω 2% 0,25W
3250	4822 051 10151	150Ω 2% 0,25W
3258	4822 051 10102	1k 2% 0,25W
3272	4822 051 10471	470Ω 2% 0,25W
3278	4822 051 10472	4k7 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3282	4822 051 10103	10k 2% 0,25W
3283	4822 051 10472	4k7 2% 0,25W
3284	4822 051 10102	1k 2% 0,25W
3289	4822 051 10102	1k 2% 0,25W
3302	4822 051 10102	1k 2% 0,25W
3307	4822 051 10474	470k 2% 0,25W
3308	4822 051 10471	470Ω 2% 0,25W
3309	4822 051 10008	0Ω 5% 0,25W
3319	4822 051 10102	1k 2% 0,25W

5200	4822 157 62824	7,5µH
5201	4822 157 62824	7,5µH
5202	4822 157 60122	4,7µH 10%

6258	4822 130 80905	LLZ-F5V1

7226	5322 130 41983	BC858B
7228	5322 130 41982	BC848B
7262	5322 130 41983	BC858B
7263	5322 130 41982	BC848B
7264	4822 130 42353	BFS19
7266	5322 130 42136	BC848C
7267	4822 130 42513	BC858C
7274	5322 130 42136	BC848C
7275	4822 130 42513	BC858C
7276	5322 130 41983	BC858B
7277	5322 130 41982	BC848B
7278	5322 130 41982	BC848B